

Converting Colors

XYZ(40.5847, 51.6731,
102.4426)

Have a look what the booklet for
XYZ(40.5847, 51.6731, 102.4426)
contains.

XYZ(40.5473, 51.5822, 102.4270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.5473, 51.5822,
102.4270)**

Conversions

Conversions Part 1

Format	Color
Hex	1ACEFF
RGB	26, 206, 255
RGB Percent	10%, 81%, 100%
CMY	0.8979, 0.1921, 0.0000
CMYK	0.90, 0.19, 0.00, 0.00
HSL	193°, 100%, 55%
HSV	193°, 90%, 100%
XYZ	40.5473, 51.5822, 102.4270
YIQ	157.7660, -123.0090, -22.9210

Conversions

Conversions Part 2

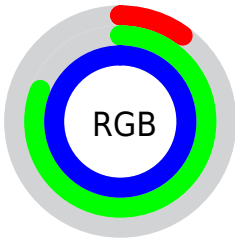
Format	Color
R _Y B	26, 127, 255
Decimal	1756927
CIE Lab	77.03, -24.60, -35.57
CIE LCh	77, 43.246, 235.335
Yxy	51.5822, 0.2084, 0.2651
Android (android.graphics.Color)	4279947007 (0xFF1ACEFF)
YUV	157.7660, 47.9364, -115.5588
Hunter-Lab	71.8207, -24.9119, -34.2818

Details

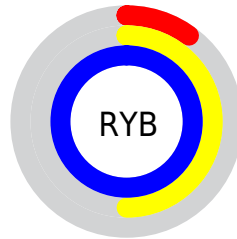
The XYZ color **40.5473, 51.5822, 102.4270** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.9453, 26.3717, 3.7536**, and the grayscale version is **32.2288, 33.9073, 36.9250**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **38.8376, 48.7852, 101.9773**, and if you desaturate by 10%, it is **42.8511, 54.7550, 102.9180**.

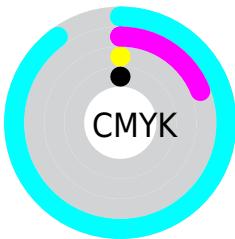
Distribution



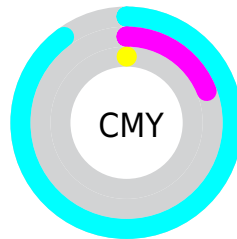
- Red (10%)
- Green (81%)
- Blue (100%)



- Red (10%)
- Yellow (50%)
- Blue (100%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5473, 51.5822, 102.4270 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 40.5473, 51.5822, 102.4270 by changing the saturation by 10% instead.

40.5473, 51.5822,
102.4270

40.5473, 51.5822,
102.4270

339.5200,
392.8215, 589.2592

28.1516, 36.6722,
77.7008

75.2753, 92.5148,
166.5693

18.5810, 24.9538,
57.3133

98.3383, 119.3061,
206.8226

11.4701, 16.0426,
40.8458

125.6878,
150.8267, 253.0886

6.4536, 9.5543,
27.8798

157.6891,
187.4608, 305.7859

3.1661, 5.1045,
17.9968

194.7076,
229.5930, 365.3331

1.2422, 2.3087,
10.7783

237.1087,

0.1393, 0.7783,

277.6076, 432.1487

5.8057

285.2577,
331.8890, 506.6512

■ 0.0000, 0.0000,
2.6604

■ 0.0000, 0.0000,
0.9234

■ 40.5473, 51.5822,
102.4270

■ 40.5473, 51.5822,
102.4270

■ 38.8376, 48.7852,
101.9773

■ 42.8511, 54.7550,
102.9180

■ 38.8041, 48.7282,
101.9680

■ 45.9049, 58.3820,
103.4571

■ 49.8112, 62.5174,
104.0495

■ 54.6545, 67.2056,
104.6991

■ 60.5089, 72.4854,
105.4097

■ 67.4408, 78.3915,
106.1843

■ 75.5107, 84.9560,
107.0260

■ 84.7747, 92.2082,
107.9376

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.0427, 51.5822, 77.9324



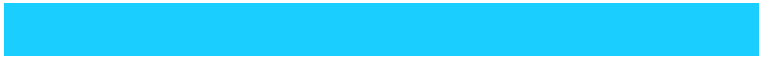
40.5473, 51.5822, 102.4270



47.7485, 51.5822, 114.6993

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.5473, 51.5822, 102.4270



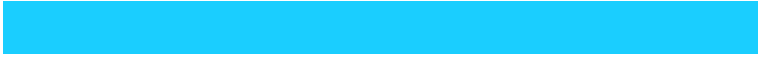
66.5973, 51.5822, 59.9406



42.5481, 51.5822, 24.2978

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.5473, 51.5822, 102.4270



43.9453, 26.3717, 3.7536

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.3288, 51.5822, 21.9637



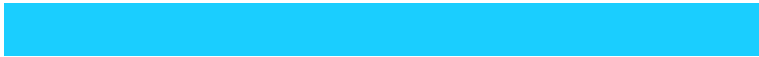
40.5473, 51.5822, 102.4270



64.8069, 51.5822, 38.8815

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.5473, 51.5822, 102.4270



63.2654, 51.5822, 86.1680



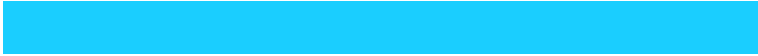
58.6142, 51.5822, 26.4731



37.1038, 51.5822, 34.0854

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5473, 51.5822, 102.4270



53.3431, 51.5822, 112.3542



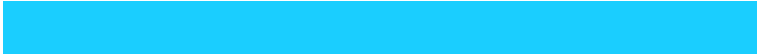
58.6142, 51.5822, 26.4731



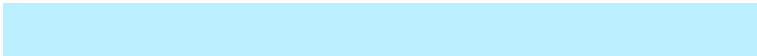
44.9509, 51.5822, 22.7575

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.5489, 51.5839, 102.4273



69.5747, 80.1549, 106.4122



37.3511, 72.2058, 18.0704



14.3353, 16.6959, 22.7170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.5489, 51.5839, 102.4273



38.8041, 48.7282, 101.9680



22.5446, 15.5753, 96.4259



18.2056, 19.7827, 23.1089



20.3895, 25.6885, 53.3183



2.0635, 2.6577, 5.2175

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.7511, 26.4568, 60.7205



51.7157, 25.4503, 57.0944



59.0514, 56.5839, 8.7889



18.6164, 18.2299, 21.8631



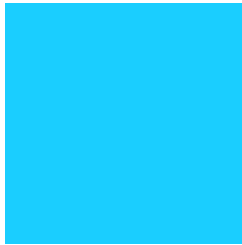
27.0799, 13.3212, 30.1346



2.6762, 1.3128, 3.1422

Previews

White Background



This preview shows how the XYZ color 40.5473, 51.5822, 102.4270 looks on a white background.

Color Contrast Check

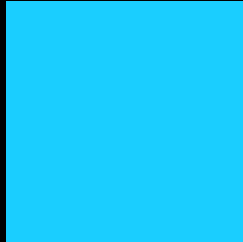
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 40.5473, 51.5822, 102.4270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

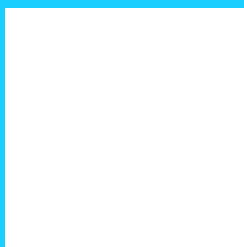
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5473, 51.5822, 102.4270

Background



This preview shows how black text looks on a background with the XYZ color 40.5473, 51.5822, 102.4270.



This preview shows how white text looks on a background with the XYZ color 40.5473, 51.5822,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

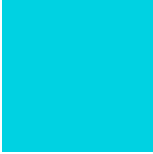
40.5473, 51.5822, 102.4270

Protanopia

51.3267, 51.0055, 90.3589

Deuteranopia

51.7574, 50.6626, 101.6587



Tritanopia

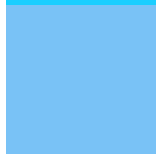
36.7741, 51.5842, 79.9701

Trichromacy



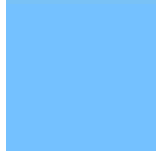
Original Color

40.5473, 51.5822, 102.4270



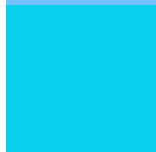
Protanomaly

43.8115, 49.3023, 94.3960



Deuteranomaly

44.3224, 49.0729, 101.7437



Tritanomaly

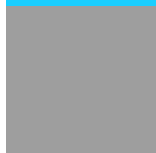
38.1992, 51.7734, 88.1007

Monochromacy



Original Color

40.5473, 51.5822, 102.4270



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.3860, 37.8252, 56.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5473, 51.5822, 102.4270 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(26, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 206, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(26, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.5473, 51.5822, 102.4270 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(26, 206, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(26, 206, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(26, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5473, 51.5822, 102.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 206, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(26, 206,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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