

Converting Colors

XYZ(40.6881, 52.1301,
102.5254)

Have a look what the booklet for
XYZ(40.6881, 52.1301, 102.5254)
contains.

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Color

**XYZ(40.6123, 51.9742,
102.4993)**

Conversions

Conversions Part 1

Format	Color
Hex	12CFFF
RGB	18, 207, 255
RGB Percent	7%, 81%, 100%
CMY	0.9292, 0.1882, 0.0000
CMYK	0.93, 0.19, 0.00, 0.00
HSL	192°, 100%, 54%
HSV	192°, 93%, 100%
XYZ	40.6123, 51.9742, 102.4993
YIQ	155.9610, -128.0520, -25.1400

Conversions

Conversions Part 2

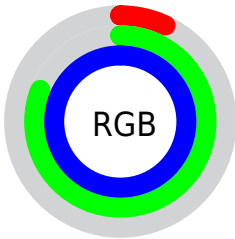
Format	Color
R _Y B	18, 123, 255
Decimal	1232895
CIE Lab	77.27, -25.41, -35.21
CIE LCh	77, 43.421, 234.184
Yxy	51.9742, 0.2082, 0.2664
Android (android.graphics.Color)	4279422975 (0xFF12CFFF)
YUV	155.9610, 48.8262, -120.9918
Hunter-Lab	72.0931, -25.6084, -33.8311

Details

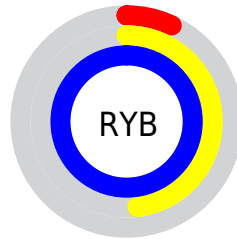
The XYZ color **40.6123, 51.9742, 102.4993** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.3008, 25.2063, 3.1577**, and the grayscale version is **31.4203, 33.0566, 35.9987**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.4876, 50.0951, 102.1959**, and if you desaturate by 10%, it is **42.6551, 54.9166, 102.9595**.

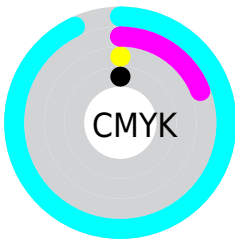
Distribution



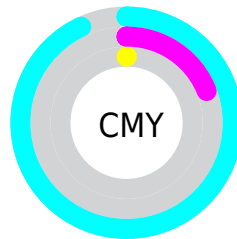
- Red (7%)
- Green (81%)
- Blue (100%)



- Red (7%)
- Yellow (48%)
- Blue (100%)



- Cyan (93%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6123, 51.9742, 102.4993 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 40.6123, 51.9742, 102.4993 by changing the saturation by 10% instead.

40.6123, 51.9742,
102.4993

40.6123, 51.9742,
102.4993

339.7879,
394.3370, 589.4913

28.2026, 36.9845,
77.7610

75.3734, 93.0932,
166.6693

18.6197, 25.1955,
57.3624

98.4556, 119.9913,
206.9381

11.4982, 16.2228,
40.8849

125.8259,
151.6276, 253.2207

6.4727, 9.6819,
27.9102

157.8498,
188.3866, 305.9358

3.1780, 5.1886,
18.0195

194.8926,
230.6527, 365.5019

1.2486, 2.3583,
10.7944

237.3196,

0.1442, 0.8043,

278.8101, 432.3374

5.8163

285.4963,
333.2435, 506.8611

■ 0.0000, 0.0000,
2.6667

■ 0.0000, 0.0000,
0.9266

■ 40.6123, 51.9742,
102.4993

■ 40.6123, 51.9742,
102.4993

■ 39.4876, 50.0951,
102.1959

■ 42.6551, 54.9166,
102.9595

■ 45.4069, 58.2849,
103.4647

■ 48.9771, 62.1370,
104.0200

■ 53.4543, 66.5192,
104.6299

■ 58.9156, 71.4717,
105.2980

■ 65.4295, 77.0303,
106.0276

■ 73.0580, 83.2276,
106.8217

■ 81.8585, 90.0937,
107.6832

■ 91.8841, 97.6564,
108.6145

Harmonies

Analogous

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



36.1891, 51.9742, 77.5255



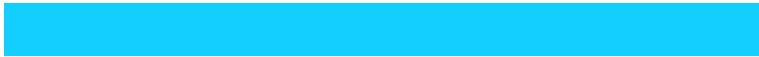
40.6123, 51.9742, 102.4993



47.7955, 51.9742, 115.5474

Triad

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



40.6123, 51.9742, 102.4993



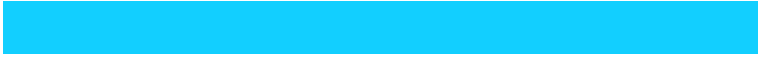
67.0972, 51.9742, 61.3651



43.1282, 51.9742, 24.2267

Complementary

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



40.6123, 51.9742, 102.4993



43.3008, 25.2063, 3.1577

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.



51.0399, 51.9742, 22.1384



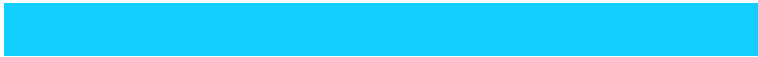
40.6123, 51.9742, 102.4993



65.4883, 51.9742, 39.8116

Square

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



40.6123, 51.9742, 102.4993



63.5502, 51.9742, 87.8805



59.3717, 51.9742, 26.9625



37.5234, 51.9742, 33.7799

Rectangle

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



40.6123, 51.9742, 102.4993



53.4269, 51.9742, 113.6880



59.3717, 51.9742, 26.9625



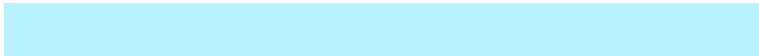
45.5805, 51.9742, 22.7656

Sweetspot

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



40.6139, 51.9759, 102.4995



69.0398, 79.9977, 106.4100



36.9775, 72.0359, 17.0240



14.0964, 16.5639, 22.7041



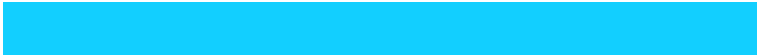
0.0000, 0.0000, 0.0000



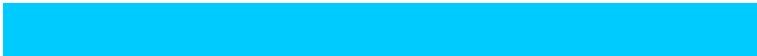
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6139, 51.9759, 102.4995



39.4876, 50.0951, 102.1959



21.8843, 14.5168, 96.2563



18.2240, 19.8196, 23.1150



20.7425, 26.3947, 53.4360



2.0950, 2.7207, 5.2280

Inverse Universe

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



52.7200, 26.1995, 61.3114



52.0607, 25.5883, 58.9110



58.4727, 55.5500, 8.2150



18.6257, 18.2336, 21.9121



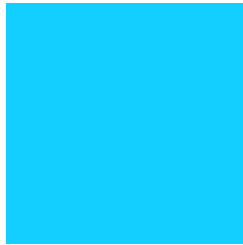
27.2581, 13.3925, 31.0731



2.6921, 1.3192, 3.2258

Previews

White Background



This preview shows how the XYZ color 40.6123, 51.9742, 102.4993 looks on a white background.

Color Contrast Check

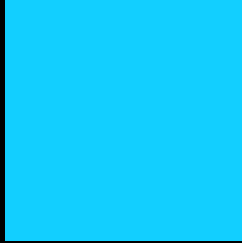
Large Text (above 18pt) WCAG AA × Fail

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 40.6123, 51.9742, 102.4993 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 40.6123, 51.9742, 102.4993

Background



This preview shows how black text looks on a background with the XYZ color 40.6123, 51.9742, 102.4993.



This preview shows how white text looks on a background with the XYZ color 40.6123, 51.9742,

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

40.6123, 51.9742, 102.4993

Protanopia

51.4030, 51.0620, 89.5848

Deuteranopia

52.1825, 51.1957, 101.7392



Tritanopia

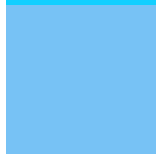
36.9117, 51.6392, 80.6950

Trichromacy



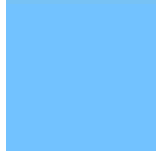
Original Color

40.6123, 51.9742, 102.4993



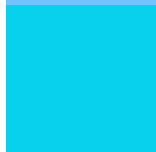
Protanomaly

43.3810, 49.0981, 93.5767



Deuteranomaly

44.2812, 49.3810, 101.8054



Tritanomaly

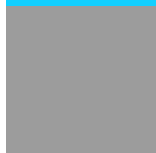
38.1741, 51.7605, 88.0996

Monochromacy



Original Color

40.6123, 51.9742, 102.4993



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.7883, 37.5299, 55.4905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6123, 51.9742, 102.4993 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(18, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 207, 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(18, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.6123, 51.9742, 102.4993 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(18, 207, 255) }
```


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

```
.border{ border-color:rgb(18, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6123, 51.9742, 102.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 207, 255) }
```

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

```
.background{ background-color: rgb(18, 207,  
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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