

Converting Colors

XYZ(37.8546, 50.6160,
100.6651)

Have a look what the booklet for
XYZ(37.8546, 50.6160, 100.6651)
contains.

XYZ(40.0424, 51.7175, 100.8005)	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(40.0424, 51.7175,
100.8005)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFFD
RGB	0, 207, 253
RGB Percent	0%, 81%, 99%
CMY	0.9997, 0.1882, 0.0078
CMYK	1.00, 0.18, 0.00, 0.01
HSL	191°, 100%, 50%
HSV	191°, 100%, 99%
XYZ	40.0424, 51.7175, 100.8005
YIQ	150.3510, -138.1380, -29.5780

Conversions

Conversions Part 2

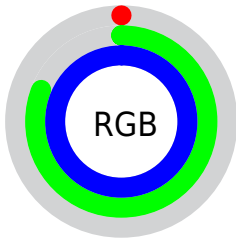
Format	Color
RYB	0, 114, 253
Decimal	53245
CIELab	77.11, -26.52, -34.39
CIELCh	77, 43.423, 232.363
Yxy	51.7175, 0.2079, 0.2686
Android (android.graphics.Color)	4278243325 (0xFF00CFFD)
YUV	150.3510, 50.6060, -131.8578
Hunter-Lab	71.9149, -26.4618, -32.7642

Details

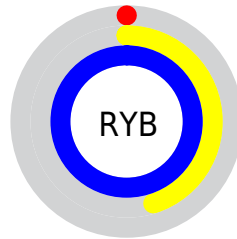
The XYZ color **40.0424, 51.7175, 100.8005** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.4885, 22.8424, 2.2244**, and the grayscale version is **28.9817, 30.4910, 33.2047**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **21.1920, 26.4420, 56.2114** is the 20% darker color. If you saturate the color by 10%, you get **40.0402, 51.7127, 100.8007**, and if you desaturate by 10%, it is **41.5845, 54.1924, 101.1980**.

Distribution



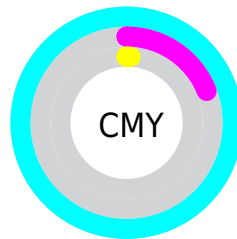
- Red (0%)
- Green (81%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0424, 51.7175, 100.8005 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 40.0424, 51.7175, 100.8005 by changing the saturation by 10% instead.

40.0424, 51.7175,
100.8005

40.0424, 51.7175,
100.8005

337.4336,
393.3450, 584.0247

27.7560, 36.7799,
76.3486

74.5120, 92.7145,
164.3183

18.2813, 25.0372,
56.2101

97.4259, 119.5427,
204.2213

11.2530, 16.1047,
39.9662

124.6129,
151.1033, 250.1117

6.3058, 9.5983,
27.1986

156.4386,
187.7806, 302.4082

3.0744, 5.1334,
17.4887

193.2681,
229.9590, 361.5291

1.1932, 2.3258,
10.4179

235.4669,

0.1010, 0.7873,

278.0229, 427.8932

5.5677

283.4002,
332.3568, 501.9189

■ 0.0000, 0.0000,
2.5195

■ 0.0000, 0.0000,
0.8505

■ 40.0424, 51.7175,
100.8005

■ 40.0424, 51.7175,
100.8005

■ 40.0402, 51.7127,
100.8007

■ 41.5845, 54.1924,
101.1980

■ 43.6869, 57.0040,
101.6298

■ 46.5132, 60.2378,
102.1051

■ 50.1624, 63.9451,
102.6283

■ 54.7175, 68.1693,
103.2036

■ 60.2512, 72.9481,
103.8343

■ 66.8285, 78.3155,
104.5237

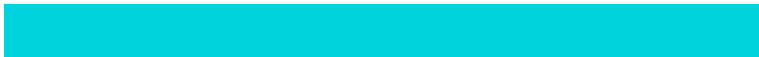
■ 74.5087, 84.3024,
105.2745

■ 83.3467, 90.9375,
106.0894

Harmonies

Analogous

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



35.8279, 51.7175, 75.5475



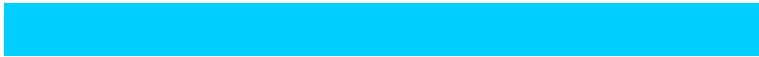
40.0424, 51.7175, 100.8005



47.0659, 51.7175, 114.8265

Triad

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



40.0424, 51.7175, 100.8005



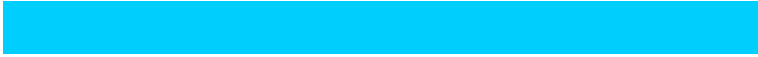
66.7258, 51.7175, 62.6051



43.3319, 51.7175, 23.7430

Complementary

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



40.0424, 51.7175, 100.8005



41.4885, 22.8424, 2.2244

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.



51.3069, 51.7175, 22.0790



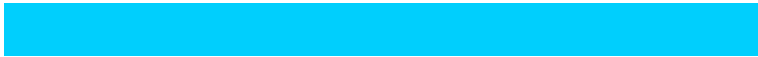
40.0424, 51.7175, 100.8005



65.4366, 51.7175, 40.6540

Square

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



40.0424, 51.7175, 100.8005



62.9041, 51.7175, 89.0776



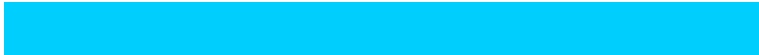
59.5569, 51.7175, 27.3239



37.5728, 51.7175, 32.7633

Rectangle

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



40.0424, 51.7175, 100.8005



52.6517, 51.7175, 113.7776



59.5569, 51.7175, 27.3239



45.8184, 51.7175, 22.4314

Sweetspot

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



40.0442, 51.7193, 100.8018



68.0063, 79.7067, 106.4084



35.5485, 70.4206, 13.9306



13.9234, 16.5513, 22.7108



0.0000, 0.0000, 0.0000



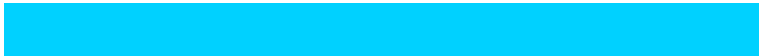
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0442, 51.7193, 100.8018



40.7586, 52.6372, 102.6195



20.9306, 13.4923, 94.4306



18.2574, 19.8865, 23.1261



21.3988, 27.7072, 53.6548



2.1533, 2.8373, 5.2474

Inverse Universe

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



51.7720, 25.3895, 61.2052



52.7023, 25.8449, 62.2894



54.6394, 49.1441, 6.6080



18.6426, 18.2403, 22.0010



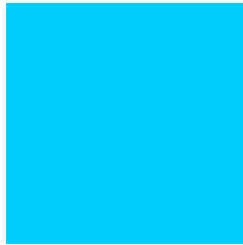
27.5893, 13.5250, 32.8175



2.7215, 1.3310, 3.3808

Previews

White Background



This preview shows how the XYZ color 40.0424, 51.7175, 100.8005 looks on a white background.

Color Contrast Check

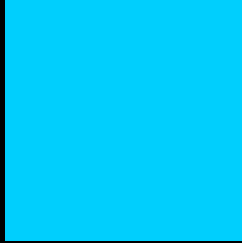
Large Text (above 18pt) WCAG AA × Fail

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 40.0424, 51.7175, 100.8005 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 40.0424, 51.7175, 100.8005

Background



This preview shows how black text looks on a background with the XYZ color 40.0424, 51.7175, 100.8005.

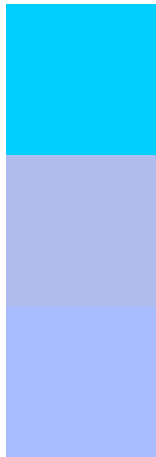


This preview shows how white text looks on a background with the XYZ color 40.0424, 51.7175,

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

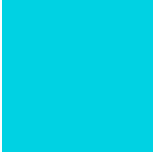
40.0424, 51.7175, 100.8005

Protanopia

51.1074, 50.9438, 88.0284

Deuteranopia

52.1825, 51.1957, 101.7392



Tritanopia

36.9117, 51.6392, 80.6950

Trichromacy



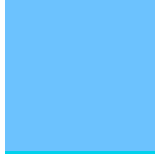
Original Color

40.0424, 51.7175, 100.8005



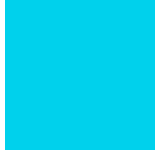
Protanomaly

42.1515, 48.4994, 91.9337



Deuteranomaly

43.3655, 48.9275, 100.9243



Tritanomaly

37.9408, 51.6571, 87.3280

Monochromacy



Original Color

40.0424, 51.7175, 100.8005



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

28.2519, 35.1466, 52.3086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0424, 51.7175, 100.8005 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(0, 207, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 253)  
}
```

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(0, 207, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 253) }
```

Border

The CSS property to change the border of an element to XYZ 40.0424, 51.7175, 100.8005 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(0, 207, 253) }
```


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

```
.border{ border-color:rgb(0, 207, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0424, 51.7175, 100.8005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 253) }
```

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

```
.background{ background-color: rgb(0, 207,  
253) }
```

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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