

Converting Colors

XYZ(40.8281, 52.0768, 98.3941)

Have a look what the booklet for
XYZ(40.8281, 52.0768, 98.3941)
contains.

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Color

**XYZ(40.8835, 52.2059,
98.3644)**

Conversions

Conversions Part 1

Format	Color
Hex	32CFFA
RGB	50, 207, 250
RGB Percent	20%, 81%, 98%
CMY	0.8039, 0.1882, 0.0196
CMYK	0.80, 0.17, 0.00, 0.02
HSL	193°, 95%, 59%
HSV	193°, 80%, 98%
XYZ	40.8835, 52.2059, 98.3644
YIQ	164.9590, -107.3750, -19.9110

Conversions

Conversions Part 2

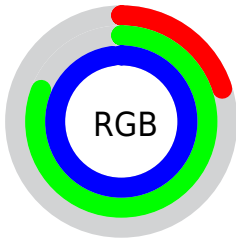
Format	Color
RYB	50, 138, 250
Decimal	3330042
CIELab	77.40, -25.17, -32.30
CIElCh	77, 40.948, 232.072
Yxy	52.2059, 0.2135, 0.2727
Android (android.graphics.Color)	4281520122 (0xFF32CFFA)
YUV	164.9590, 41.9252, -100.8190
Hunter-Lab	72.2537, -25.4427, -30.1384

Details

The XYZ color **40.8835, 52.2059, 98.3644** 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 **43.9166, 28.3861, 6.1840**, and the grayscale version is **35.5899, 37.4434, 40.7758**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **20.8539, 26.3067, 54.4307** is the 20% darker color. If you saturate the color by 10%, you get **38.6901, 49.1756, 97.8961**, and if you desaturate by 10%, it is **43.7966, 55.6750, 98.8815**.

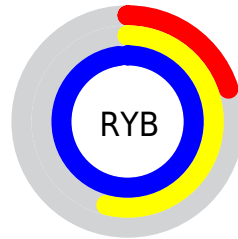
Distribution



Red (20%)

Green (81%)

Blue (98%)



Red (20%)

Yellow (54%)

Blue (98%)

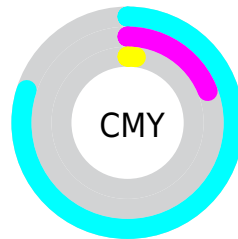


Cyan (80%)

Magenta (17%)

Yellow (0%)

Black (2%)



Cyan (80%)

Magenta (19%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8835, 52.2059, 98.3644 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 40.8835, 52.2059, 98.3644 by changing the saturation by 10% instead.

40.8835, 52.2059,
98.3644

40.8835, 52.2059,
98.3644

340.9044,
395.2310, 576.1378

28.4153, 37.1692,
74.3260

75.7828, 93.4348,
160.9399

18.7810, 25.3385,
54.5625

98.9447, 120.3959,
200.3141

11.6152, 16.3295,
38.6553

126.4019,
152.1005, 245.6373

6.5526, 9.7576,
26.1859

158.5197,
188.9331, 297.3281

3.2277, 5.2385,
16.7358

195.6635,
231.2780, 355.8050

1.2753, 2.3879,
9.8863

238.1986,

0.1646, 0.8196,

279.5197, 421.4866

5.2190

286.4905,
334.0426, 494.7913

■ 0.0000, 0.0000,
2.3154

■ 0.0000, 0.0000,
0.7398

■ 40.8835, 52.2059,
98.3644

■ 40.8835, 52.2059,
98.3644

■ 38.6901, 49.1756,
97.8961

■ 43.7966, 55.6750,
98.8815

■ 37.0526, 46.4961,
97.4652

■ 47.5205, 59.6275,
99.4481

■ 37.0516, 46.4943,
97.4649

■ 52.1376, 64.1076,
100.0695

■ 57.7187, 69.1523,
100.7491

64.3271, 74.7950,
101.4900

72.0208, 81.0661,
102.2949

80.8530, 87.9936,
103.1665

90.8735, 95.6038,
104.1073

94.2555, 99.6822,
104.7163

Harmonies

Analogous

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



36.8703, 52.2059, 74.7438



40.8835, 52.2059, 98.3644



47.5611, 52.2059, 111.5136

Triad

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



40.8835, 52.2059, 98.3644



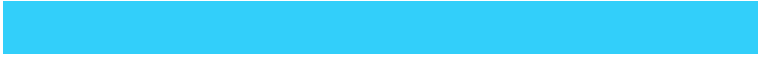
66.1772, 52.2059, 63.0361



44.1454, 52.2059, 25.3851

Complementary

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



40.8835, 52.2059, 98.3644



43.9166, 28.3861, 6.1840

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.



51.7378, 52.2059, 23.8046



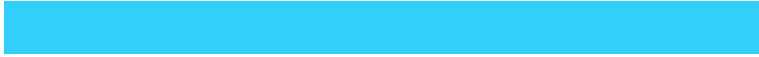
40.8835, 52.2059, 98.3644



65.0149, 52.2059, 42.0567

Square

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



40.8835, 52.2059, 98.3644



62.5464, 52.2059, 87.8786



59.5204, 52.2059, 29.0420



38.6101, 52.2059, 34.1393

Rectangle

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



40.8835, 52.2059, 98.3644



52.8545, 52.2059, 110.6625



59.5204, 52.2059, 29.0420



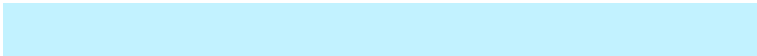
46.5205, 52.2059, 24.1107

Sweetspot

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



40.8853, 52.2077, 98.3657



71.9518, 82.0728, 106.6571



37.3483, 69.7889, 21.1782



14.7936, 17.0704, 22.7652



0.0000, 0.0000, 0.0000



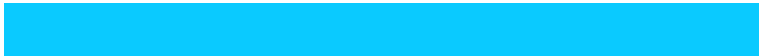
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8853, 52.2077, 98.3657



39.3841, 49.6987, 102.1248



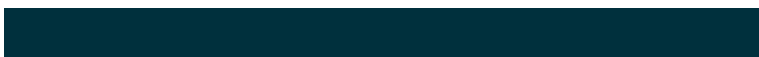
24.1490, 18.7353, 92.7869



17.4305, 18.9379, 22.1220



19.7627, 24.8810, 51.7345



1.9064, 2.4564, 4.8168

Inverse Universe

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



51.8289, 27.1120, 61.5347



52.0547, 25.7630, 58.3336



58.4156, 57.3842, 11.0170



17.8239, 17.4569, 20.9282



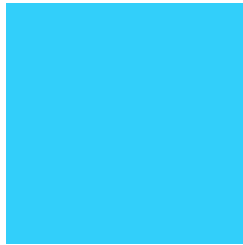
26.2673, 12.9227, 29.1799



2.4712, 1.2122, 2.9045

Previews

White Background



This preview shows how the XYZ color 40.8835, 52.2059, 98.3644 looks on a white background.

Color Contrast Check

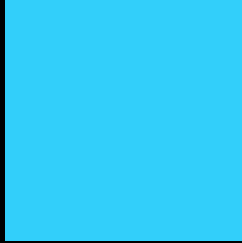
Large Text (above 18pt) WCAG AA × Fail

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 40.8835, 52.2059, 98.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

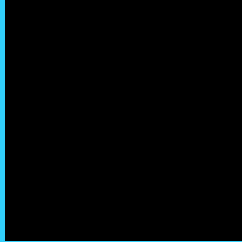
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8835, 52.2059, 98.3644

Background



This preview shows how black text looks on a background with the XYZ color 40.8835, 52.2059, 98.3644.



This preview shows how white text looks on a background with the XYZ color 40.8835, 52.2059,

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

40.8835, 52.2059, 98.3644

Protanopia

51.4836, 51.4875, 86.5815

Deuteranopia

52.8336, 51.5313, 101.7696



Tritanopia

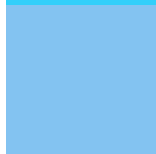
37.5115, 52.3001, 81.5167

Trichromacy



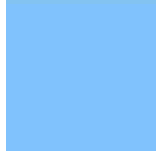
Original Color

40.8835, 52.2059, 98.3644



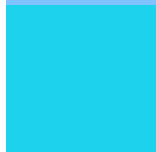
Protanomaly

44.7524, 50.2064, 90.5512



Deuteranomaly

45.9235, 50.2646, 100.2101



Tritanomaly

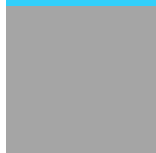
38.6658, 52.3962, 87.4325

Monochromacy



Original Color

40.8835, 52.2059, 98.3644



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

34.4534, 40.8390, 58.2914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8835, 52.2059, 98.3644 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(50, 207, 250)` looks like.

```
.text, #text, p{  
    color:rgb(50, 207, 250)  
}
```

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(50, 207, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 207, 250) }
```

Border

The CSS property to change the border of an element to XYZ 40.8835, 52.2059, 98.3644 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(50, 207, 250) }
```


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

```
.border{ border-color:rgb(50, 207, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 207, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 207, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 207, 250);  
box-shadow:4px 4px 4px 4px rgb(50, 207,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8835, 52.2059, 98.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 207, 250) }
```

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

```
.background{ background-color: rgb(50, 207,  
250) }
```

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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