

Converting Colors

XYZ(23.0794, 38.5248, 98.6314)

Have a look what the booklet for
XYZ(23.0794, 38.5248, 98.6314)
contains.

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Color

**XYZ(36.8625, 45.6118,
98.9566)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2FC
RGB	0, 194, 252
RGB Percent	0%, 76%, 99%
CMY	0.9997, 0.2392, 0.0118
CMYK	1.00, 0.23, 0.00, 0.01
HSL	194°, 100%, 49%
HSV	194°, 100%, 99%
XYZ	36.8625, 45.6118, 98.9566
YIQ	142.6060, -134.2420, -23.0900

Conversions

Conversions Part 2

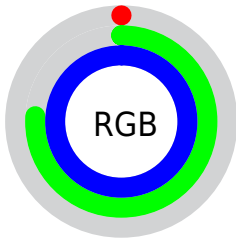
Format	Color
RYB	0, 110, 252
Decimal	49916
CIELab	73.29, -20.25, -39.77
CIELCh	73, 44.634, 243.014
Yxy	45.6118, 0.2032, 0.2514
Android (android.graphics.Color)	4278239996 (0xFF00C2FC)
YUV	142.6060, 53.9312, -125.0655
Hunter-Lab	67.5365, -20.7608, -39.5980

Details

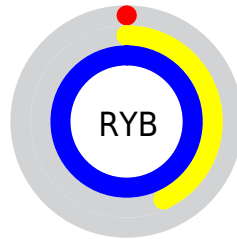
The XYZ color **36.8625, 45.6118, 98.9566** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.6627, 23.7298, 2.3867**, and the grayscale version is **25.7920, 27.1352, 29.5502**.

A 20% lighter version of the original color is **59.3572, 79.7251, 106.8678**, and **19.2284, 22.6963, 54.9971** is the 20% darker color. If you saturate the color by 10%, you get **36.8591, 45.6047, 98.9564**, and if you desaturate by 10%, it is **38.5876, 48.4563, 99.4157**.

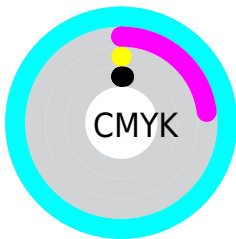
Distribution



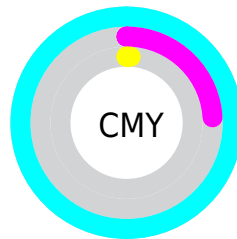
- Red (0%)
- Green (76%)
- Blue (99%)



- Red (0%)
- Yellow (43%)
- Blue (99%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (24%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8625, 45.6118, 98.9566 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 36.8625, 45.6118, 98.9566 by changing the saturation by 10% instead.


 36.8625, 45.6118,
98.9566


 36.8625, 45.6118,
98.9566


324.0807,
369.2457, 578.0603

 25.2742, 31.9396,
74.8174

 69.6765, 83.6377,
161.7619

 16.4113, 21.3154,
54.9625


 91.6329, 108.7602,
201.2651

 9.9084, 13.3547,
38.9733


 117.7760,
138.4683, 246.7268

 5.4000, 7.6733,
26.4313

 148.4713,
173.1463, 298.5654

 2.5210, 3.8866,
16.9179

 184.0841,
213.1787, 357.1995

 0.9059, 1.6103,
10.0146

224.9797,

 0.0000, 0.3645,

258.9498, 423.0477

5.3029

271.5234,
310.8440, 496.5284

■ 0.0000, 0.0000,
2.3642

■ 0.0000, 0.0000,
0.7669

■ 36.8625, 45.6118,
98.9566

■ 36.8625, 45.6118,
98.9566

■ 36.8591, 45.6047,
98.9564

■ 38.5876, 48.4563,
99.4157

■ 40.8865, 51.6716,
99.9151

■ 43.9215, 55.3429,
100.4638

■ 47.7910, 59.5216,
101.0664

■ 52.5773, 64.2511,
101.7270

■ 58.3528, 69.5693,
102.4491

■ 65.1820, 75.5105,
103.2360

■ 73.1241, 82.1056,
104.0904

■ 82.2336, 89.3838,
105.0151

Harmonies

Analogous

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



31.8954, 45.6118, 77.1117



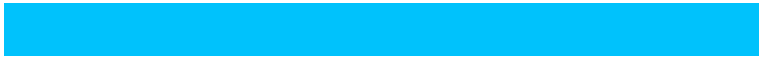
36.8625, 45.6118, 98.9566



44.1506, 45.6118, 106.4927

Triad

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



36.8625, 45.6118, 98.9566



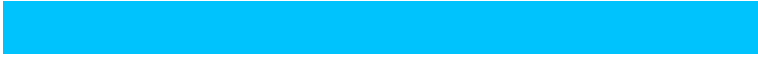
60.2259, 45.6118, 47.4265



35.6433, 45.6118, 21.5347

Complementary

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



36.8625, 45.6118, 98.9566



41.6627, 23.7298, 2.3867

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.



42.5644, 45.6118, 17.8113



36.8625, 45.6118, 98.9566



57.2696, 45.6118, 29.6505

Square

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



36.8625, 45.6118, 98.9566



58.2298, 45.6118, 71.9558



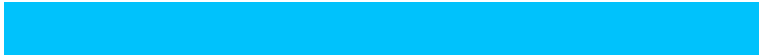
50.5631, 45.6118, 20.2595



31.2534, 45.6118, 32.5284

Rectangle

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



36.8625, 45.6118, 98.9566



49.5207, 45.6118, 100.9734



50.5631, 45.6118, 20.2595



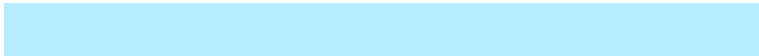
37.7193, 45.6118, 19.5716

Sweetspot

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



36.8641, 45.6134, 98.9578



66.9216, 77.5374, 106.0468



35.4933, 69.8947, 15.1924



13.6619, 16.0282, 22.6236



0.0000, 0.0000, 0.0000



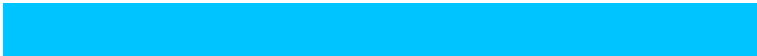
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8641, 45.6134, 98.9578



37.8559, 46.8319, 101.6520



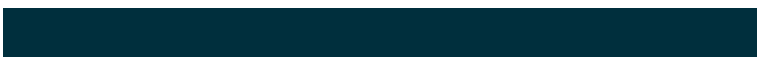
19.8543, 11.5937, 93.2878



17.4072, 18.8911, 22.1142



19.3174, 23.9903, 51.5860



1.8686, 2.3809, 4.8043

Inverse Universe

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



49.8840, 24.5925, 53.1578



51.2371, 25.2588, 54.5741



56.5931, 53.5906, 7.3635



17.8121, 17.4522, 20.8660



26.0425, 12.8327, 27.9962



2.4521, 1.2046, 2.8043

Previews

White Background



This preview shows how the XYZ color 36.8625, 45.6118, 98.9566 looks on a white background.

Color Contrast Check

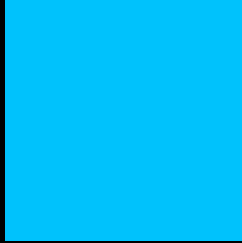
Large Text (above 18pt) WCAG AA × Fail

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 36.8625, 45.6118, 98.9566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

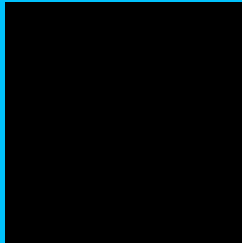
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8625, 45.6118, 98.9566

Background



This preview shows how black text looks on a background with the XYZ color 36.8625, 45.6118, 98.9566.



This preview shows how white text looks on a background with the XYZ color 36.8625, 45.6118,

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

36.8625, 45.6118, 98.9566

Protanopia

45.6559, 44.8008, 87.1300

Deuteranopia

46.3498, 45.1483, 100.8793



Tritanopia

32.5610, 45.7019, 70.7235

Trichromacy



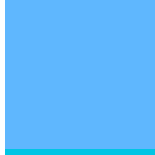
Original Color

36.8625, 45.6118, 98.9566



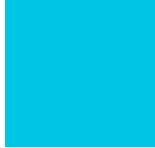
Protanomaly

38.5906, 43.1628, 91.0913



Deuteranomaly

39.5422, 43.4556, 100.0696



Tritanomaly

33.9698, 45.5339, 80.3973

Monochromacy



Original Color

36.8625, 45.6118, 98.9566



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.7820, 31.4837, 49.5179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8625, 45.6118, 98.9566 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, 194, 252)` looks like.

```
.text, #text, p{  
  color:rgb(0, 194, 252)  
}
```

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, 194, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 252) }
```

Border

The CSS property to change the border of an element to XYZ 36.8625, 45.6118, 98.9566 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, 194, 252) }
```


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

```
.border{ border-color:rgb(0, 194, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8625, 45.6118, 98.9566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 252) }
```

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

```
.background{ background-color: rgb(0, 194,  
252) }
```

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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