

Converting Colors

XYZ(38.3404, 48.2781, 93.9555)

Have a look what the booklet for
XYZ(38.3404, 48.2781, 93.9555)
contains.

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Color

**XYZ(38.2202, 48.1175,
93.6594)**

Conversions

Conversions Part 1

Format	Color
Hex	32C7F5
RGB	50, 199, 245
RGB Percent	20%, 78%, 96%
CMY	0.8039, 0.2196, 0.0392
CMYK	0.80, 0.19, 0.00, 0.04
HSL	194°, 91%, 58%
HSV	194°, 80%, 96%
XYZ	38.2202, 48.1175, 93.6594
YIQ	159.6930, -103.5700, -17.2820

Conversions

Conversions Part 2

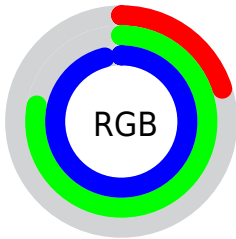
Format	Color
R _Y B	50, 134, 245
Decimal	3327989
CIE Lab	74.90, -22.75, -33.48
CIE LCh	75, 40.484, 235.803
Yxy	48.1175, 0.2123, 0.2673
Android (android.graphics.Color)	4281518069 (0xFF32C7F5)
YUV	159.6930, 42.0564, -96.2008
Hunter-Lab	69.3668, -23.0407, -31.4969

Details

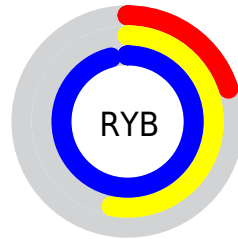
The XYZ color **38.2202, 48.1175, 93.6594** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.4169, 28.0116, 6.1907**, and the grayscale version is **33.1220, 34.8470, 37.9483**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **19.3107, 23.9249, 51.7443** is the 20% darker color. If you saturate the color by 10%, you get **36.0146, 45.0444, 93.1834**, and if you desaturate by 10%, it is **41.1249, 51.6277, 94.1848**.

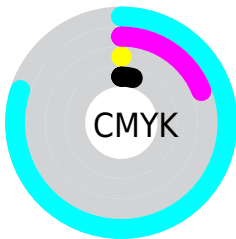
Distribution



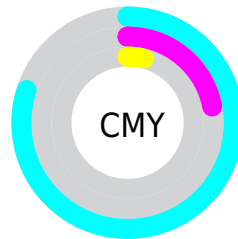
- Red (20%)
- Green (78%)
- Blue (96%)



- Red (20%)
- Yellow (53%)
- Blue (96%)



- Cyan (80%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)



- Cyan (80%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2202, 48.1175, 93.6594 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 38.2202, 48.1175, 93.6594 by changing the saturation by 10% instead.

■ 38.2202, 48.1175,
93.6594

■ 38.2202, 48.1175,
93.6594

329.8282,
379.2577, 560.7386

■ 26.3316, 33.9199,
70.4290

■ 71.7472, 87.3793,
154.3908

■ 17.2059, 22.8321,
51.3974

■ 94.1164, 113.2124,
192.7289

■ 10.4776, 14.4696,
36.1460

■ 120.7099,
143.6927, 236.9399

■ 5.7814, 8.4480,
24.2564

■ 151.8929,
179.2048, 287.4425

■ 2.7520, 4.3829,
15.3100

188.0309,
220.1329, 344.6551

■ 1.0240, 1.8900,
8.8882

229.4892,

■ 0.0000, 0.5423,

266.8615, 408.9963

4.5725

276.6332,
319.7750, 480.8846

■ 0.0000, 0.0000,
1.9444

■ 0.0000, 0.0000,
0.5208

■ 38.2202, 48.1175,
93.6594

■ 38.2202, 48.1175,
93.6594

■ 36.0146, 45.0444,
93.1834

■ 41.1249, 51.6277,
94.1848

■ 34.3588, 42.3281,
92.7464

■ 44.8147, 55.6175,
94.7604

■ 34.2951, 42.2196,
92.7288

■ 49.3677, 60.1290,
95.3913

■ 54.8511, 65.1974,
96.0806

■ 61.3249, 70.8546,
96.8313

■ 68.8443, 77.1297,
97.6462

■ 77.4599, 84.0495,
98.5278

■ 87.2191, 91.6394,
99.4784

■ 92.2253, 96.8600,
100.2222

Harmonies

Analogous

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



34.1215, 48.1175, 72.1264



38.2202, 48.1175, 93.6594



44.7046, 48.1175, 104.2115

Triad

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



38.2202, 48.1175, 93.6594



61.3800, 48.1175, 55.4195



39.8367, 48.1175, 23.6807

Complementary

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



38.2202, 48.1175, 93.6594



42.4169, 28.0116, 6.1907

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.



46.7795, 48.1175, 21.4356



38.2202, 48.1175, 93.6594



59.7215, 48.1175, 36.6315

Square

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



38.2202, 48.1175, 93.6594



58.4907, 48.1175, 78.6842



54.1737, 48.1175, 25.4741



34.9821, 48.1175, 32.7252

Rectangle

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



38.2202, 48.1175, 93.6594



49.7047, 48.1175, 101.9727



54.1737, 48.1175, 25.4741



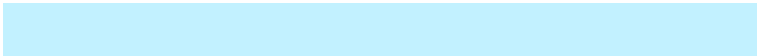
41.9810, 48.1175, 22.2310

Sweetspot

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



38.2218, 48.1192, 93.6606



71.5727, 81.3147, 106.5308



36.0579, 66.8197, 21.9462



14.7015, 16.8862, 22.7345



0.0000, 0.0000, 0.0000



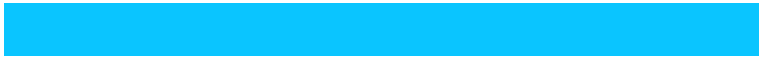
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2218, 48.1192, 93.6606



38.2006, 47.3317, 101.7303



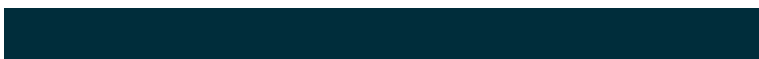
22.5504, 16.7764, 88.4368



16.6460, 18.0563, 21.1504



18.5870, 22.9677, 49.9916



1.7117, 2.1748, 4.4198

Inverse Universe

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



49.1070, 25.8190, 56.4297



51.4574, 25.5241, 55.1878



57.3038, 57.7854, 11.1529



17.0367, 16.6975, 19.9396



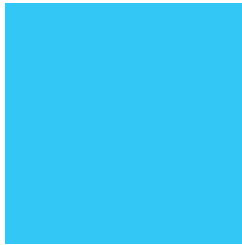
25.1864, 12.4180, 26.7534



2.2530, 1.1072, 2.5588

Previews

White Background



This preview shows how the XYZ color 38.2202, 48.1175, 93.6594 looks on a white background.

Color Contrast Check

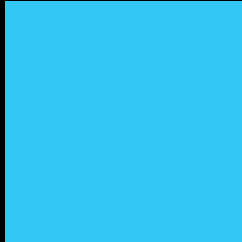
Large Text (above 18pt) WCAG AA × Fail

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 38.2202, 48.1175, 93.6594 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 38.2202, 48.1175, 93.6594

Background



This preview shows how black text looks on a background with the XYZ color 38.2202, 48.1175, 93.6594.



This preview shows how white text looks on a background with the XYZ color 38.2202, 48.1175,

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

38.2202, 48.1175, 93.6594

Protanopia

47.6669, 47.4200, 82.9846

Deuteranopia

48.5244, 47.2686, 96.1888



Tritanopia

34.2742, 47.8792, 75.1453

Trichromacy



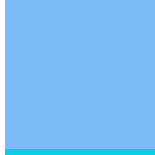
Original Color

38.2202, 48.1175, 93.6594



Protanomaly

41.8735, 46.5165, 86.8924



Deuteranomaly

42.7396, 46.4555, 95.5211



Tritanomaly

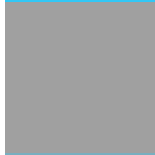
35.5128, 48.0268, 81.5271

Monochromacy



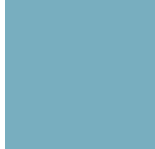
Original Color

38.2202, 48.1175, 93.6594



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.2858, 38.0268, 54.9285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2202, 48.1175, 93.6594 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, 199, 245)` looks like.

```
.text, #text, p{  
    color:rgb(50, 199, 245)  
}
```

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, 199, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 199, 245) }
```

Border

The CSS property to change the border of an element to XYZ 38.2202, 48.1175, 93.6594 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, 199, 245) }
```


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

```
.border{ border-color:rgb(50, 199, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 199, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 199, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 199, 245);  
box-shadow:4px 4px 4px 4px rgb(50, 199,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2202, 48.1175, 93.6594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 199, 245) }
```

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

```
.background{ background-color: rgb(50, 199,  
245) }
```

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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