

Converting Colors

XYZ(38.4695, 48.1013, 76.2588)

Have a look what the booklet for
XYZ(38.4695, 48.1013, 76.2588)
contains.

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Color

**XYZ(38.4066, 47.9158,
76.3317)**

Conversions

Conversions Part 1

Format	Color
Hex	64C5DE
RGB	100, 197, 222
RGB Percent	39%, 77%, 87%
CMY	0.6078, 0.2274, 0.1294
CMYK	0.55, 0.11, 0.00, 0.13
HSL	192°, 65%, 63%
HSV	192°, 55%, 87%
XYZ	38.4066, 47.9158, 76.3317
YIQ	170.8470, -65.8370, -12.7890

Conversions

Conversions Part 2

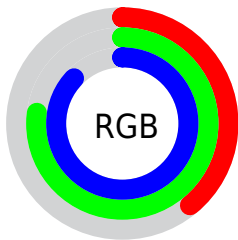
Format	Color
RYB	100, 154, 222
Decimal	6604254
CIELab	74.77, -21.61, -21.17
CIELCh	75, 30.246, 224.410
Yxy	47.9158, 0.2361, 0.2946
Android (android.graphics.Color)	4284794334 (0xFF64C5DE)
YUV	170.8470, 25.2184, -62.1328
Hunter-Lab	69.2212, -22.0985, -16.9254

Details

The XYZ color **38.4066, 47.9158, 76.3317** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.7592, 31.1182, 15.9689**, and the grayscale version is **38.5345, 40.5413, 44.1495**.

A 20% lighter version of the original color is **67.7899, 85.4746, 107.5331**, and **17.3329, 22.7110, 40.0293** is the 20% darker color. If you saturate the color by 10%, you get **35.2605, 44.7845, 75.8940**, and if you desaturate by 10%, it is **42.2558, 51.4578, 76.8134**.

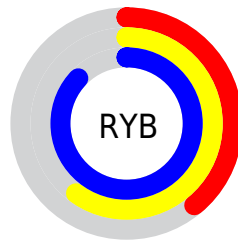
Distribution



Red (39%)

Green (77%)

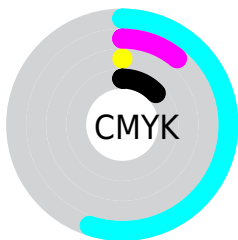
Blue (87%)



Red (39%)

Yellow (60%)

Blue (87%)

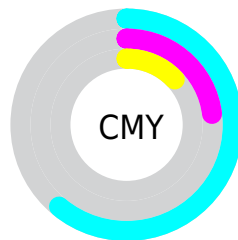


Cyan (55%)

Magenta (11%)

Yellow (0%)

Black (13%)



Cyan (61%)

Magenta (23%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4066, 47.9158, 76.3317 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 38.4066, 47.9158, 76.3317 by changing the saturation by 10% instead.

■ 38.4066, 47.9158,
76.3317

■ 38.4066, 47.9158,
76.3317

330.6117,
378.4583, 501.8594

■ 26.4771, 33.7602,
56.1963

■ 72.0308, 87.0790,
129.9601

■ 17.3154, 22.7094,
39.9552

■ 94.4562, 112.8555,
164.2900

■ 10.5563, 14.3791,
27.1901

■ 121.1109,
143.2743, 204.1886

■ 5.8344, 8.3848,
17.4824

■ 152.3603,
178.7199, 250.0744

■ 2.7844, 4.3422,
10.4134

188.5697,
219.5767, 302.3658

■ 1.0408, 1.8667,
5.5647

230.1045,

■ 0.0000, 0.5283,

266.2291, 361.4814

2.5178

277.3301,
319.0615, 427.8398

■ 0.0000, 0.0000,
0.8496

■ 0.0000, 0.0000,
0.0000

■ 38.4066, 47.9158,
76.3317

■ 38.4066, 47.9158,
76.3317

■ 35.2605, 44.7845,
75.8940

■ 42.2558, 51.4578,
76.8134

■ 32.7569, 42.0293,
75.4942

■ 46.8533, 55.4313,
77.3380

■ 30.8323, 39.6181,
75.1302

■ 52.2457, 59.8616,
77.9089

■ 29.4072, 37.5095,
74.7983

■ 58.4744, 64.7705,
78.5282

■ 28.8107, 36.5255,
74.6398

■ 65.5779, 70.1782,
79.1976

■ 73.5923, 76.1037,
79.9189

■ 82.4018, 82.4876,
80.6868

■ 83.6760, 85.0359,
81.1115

■ 84.9833, 87.6507,
81.5473

Harmonies

Analogous

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



36.0597, 47.9158, 60.0678



38.4066, 47.9158, 76.3317



42.7626, 47.9158, 87.0682

Triad

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



38.4066, 47.9158, 76.3317



56.4922, 47.9158, 60.7310



42.9643, 47.9158, 28.0169

Complementary

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



38.4066, 47.9158, 76.3317



39.7592, 31.1182, 15.9689

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.



48.4404, 47.9158, 28.1235



38.4066, 47.9158, 76.3317



56.5572, 47.9158, 45.0007

Square

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



38.4066, 47.9158, 76.3317



53.3407, 47.9158, 76.9006



53.5118, 47.9158, 33.7382



38.5440, 47.9158, 33.4099

Rectangle

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



38.4066, 47.9158, 76.3317



46.3595, 47.9158, 88.5158



53.5118, 47.9158, 33.7382



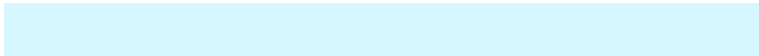
44.7352, 47.9158, 27.4512

Sweetspot

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



38.4081, 47.9176, 76.3328



78.9906, 87.8476, 107.4008



35.0415, 56.4184, 28.2462



16.5141, 18.4963, 22.9497



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.



38.4081, 47.9176, 76.3328



47.6808, 60.6883, 103.8087



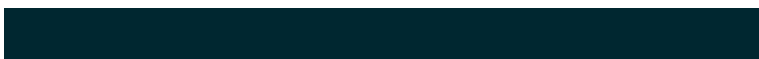
27.3307, 25.7627, 72.6404



13.8656, 15.0703, 17.5658



17.1944, 21.8584, 44.3612



1.2528, 1.6370, 3.0952

Inverse Universe

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



44.7607, 28.6766, 56.0012



57.6104, 33.2225, 71.4436



49.8584, 51.3166, 19.3353



14.1684, 13.8850, 16.6569



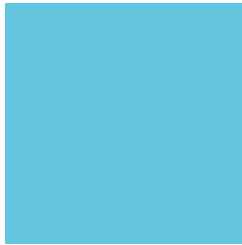
22.6192, 11.1147, 25.7240



1.5986, 0.7827, 1.9450

Previews

White Background



This preview shows how the XYZ color 38.4066, 47.9158, 76.3317 looks on a white background.

Color Contrast Check

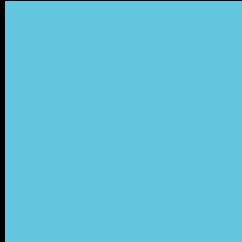
Large Text (above 18pt) WCAG AA × Fail

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 38.4066, 47.9158, 76.3317 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 38.4066, 47.9158, 76.3317

Background



This preview shows how black text looks on a background with the XYZ color 38.4066, 47.9158, 76.3317.



This preview shows how white text looks on a background with the XYZ color 38.4066, 47.9158,

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

38.4066, 47.9158, 76.3317

Protanopia

46.5390, 47.1483, 68.9350

Deuteranopia

48.4380, 47.3149, 78.5312



Tritanopia

37.2614, 47.7846, 70.8778

Trichromacy



Original Color

38.4066, 47.9158, 76.3317



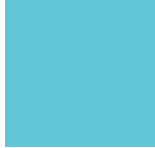
Protanomaly

42.5594, 46.8881, 71.7729



Deuteranomaly

43.7272, 47.0381, 78.0088



Tritanomaly

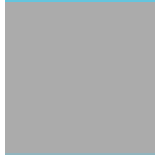
37.7555, 47.9946, 72.9196

Monochromacy



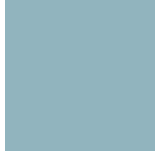
Original Color

38.4066, 47.9158, 76.3317



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.2926, 42.3800, 54.9298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4066, 47.9158, 76.3317 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(100, 197, 222)` looks like.

```
.text, #text, p{  
    color:rgb(100, 197, 222)  
}
```

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(100, 197, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 197, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.4066, 47.9158, 76.3317 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(100, 197, 222) }
```


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

```
.border{ border-color:rgb(100, 197, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 197, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 197, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 197, 222);  
box-shadow:4px 4px 4px 4px rgb(100, 197,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4066, 47.9158, 76.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 197, 222) }
```

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

```
.background{ background-color: rgb(100,  
197, 222) }
```

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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