

Converting Colors

XYZ(30.4164, 38.8801, 66.2231)

Have a look what the booklet for
XYZ(30.4164, 38.8801, 66.2231)
contains.

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Color

**XYZ(30.4164, 38.8801,
66.2231)**

Conversions

Conversions Part 1

Format	Color
Hex	44B5D1
RGB	68, 181, 209
RGB Percent	27%, 71%, 82%
CMY	0.7333, 0.2902, 0.1804
CMYK	0.67, 0.13, 0.00, 0.18
HSL	192°, 61%, 54%
HSV	192°, 67%, 82%
XYZ	30.4164, 38.8801, 66.2231
YIQ	150.4050, -76.3360, -15.2480

Conversions

Conversions Part 2

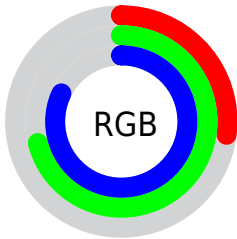
Format	Color
RYB	68, 131, 209
Decimal	4502993
CIELab	68.66, -22.93, -23.48
CIElCh	69, 32.820, 225.675
Yxy	38.8801, 0.2244, 0.2869
Android (android.graphics.Color)	4282693073 (0xFF44B5D1)
YUV	150.4050, 28.8873, -72.2692
Hunter-Lab	62.3539, -22.0466, -19.3213

Details

The XYZ color **30.4164, 38.8801, 66.2231** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **31.5220, 22.3401, 8.1209**, and the grayscale version is **29.0673, 30.5810, 33.3027**.

A 20% lighter version of the original color is **57.8499, 72.6939, 105.5901**, and **13.6356, 17.8049, 33.7284** is the 20% darker color. If you saturate the color by 10%, you get **28.3790, 36.5963, 65.8904**, and if you desaturate by 10%, it is **33.0008, 41.4848, 66.5904**.

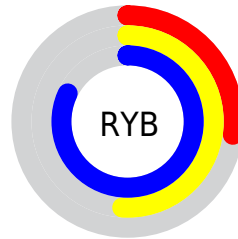
Distribution



Red (27%)

Green (71%)

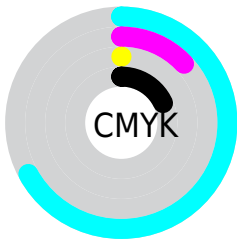
Blue (82%)



Red (27%)

Yellow (51%)

Blue (82%)

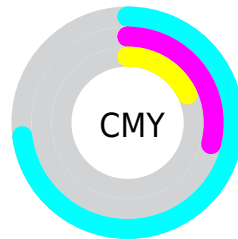


Cyan (67%)

Magenta (13%)

Yellow (0%)

Black (18%)



Cyan (73%)

Magenta (29%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4164, 38.8801, 66.2231 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 30.4164, 38.8801, 66.2231 by changing the saturation by 10% instead.

■ 30.4164, 38.8801,
66.2231

■ 30.4164, 38.8801,
66.2231

295.7157,
341.3805, 465.6003

■ 20.3045, 26.6665,
47.9959

■ 59.7022, 73.4551,
115.4365

■ 12.7261, 17.3229,
33.4637

■ 79.6068, 96.5853,
147.2599

■ 7.3159, 10.4650,
22.2079

■ 103.5063,
124.1231, 184.4523

■ 3.7085, 5.7083,
13.8099

■ 131.7662,
156.4529, 227.4324

■ 1.5386, 2.6685,
7.8514

164.7517,
193.9592, 276.6187

■ 0.3519, 0.9612,
3.9136

202.8282,

■ 0.0000, 0.0000,

237.0263, 332.4298

1.5781

246.3611,
286.0386, 395.2841

■ 0.0000, 0.0000,
0.2751

■ 0.0000, 0.0000,
0.0000

■ 30.4164, 38.8801,
66.2231

■ 30.4164, 38.8801,
66.2231

■ 28.3790, 36.5963,
65.8904

■ 33.0008, 41.4848,
66.5904

■ 26.8265, 34.5987,
65.5867

■ 36.1784, 44.4321,
66.9918

■ 25.6798, 32.8470,
65.3090

■ 39.9943, 47.7465,
67.4304

■ 25.4187, 32.4234,
65.2410

■ 44.4884, 51.4487,
67.9081

■ 49.6971, 55.5579,
68.4268

■ 55.6541, 60.0917,
68.9879

■ 62.3911, 65.0668,
69.5931

■ 69.9377, 70.4988,
70.2438

■ 77.9126, 76.1912,
70.9223

Harmonies

Analogous

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



28.1620, 38.8801, 50.5268



30.4164, 38.8801, 66.2231



34.5420, 38.8801, 76.4651

Triad

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



30.4164, 38.8801, 66.2231



47.4810, 38.8801, 49.7991



34.3255, 38.8801, 20.3633

Complementary

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



30.4164, 38.8801, 66.2231



31.5220, 22.3401, 8.1209

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.



39.4766, 38.8801, 20.2566



30.4164, 38.8801, 66.2231



47.4092, 38.8801, 35.0781

Square

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



30.4164, 38.8801, 66.2231



44.5558, 38.8801, 65.5841



44.3679, 38.8801, 25.0158



30.2707, 38.8801, 25.3523

Rectangle

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



30.4164, 38.8801, 66.2231



37.9491, 38.8801, 77.5796



44.3679, 38.8801, 25.0158



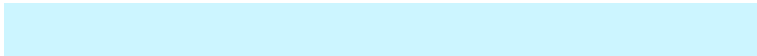
35.9772, 38.8801, 19.8025

Sweetspot

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



30.4177, 38.8815, 66.2240



75.5656, 85.2849, 107.0866



27.1993, 47.6364, 18.3174



15.6715, 17.8591, 22.8711



0.0000, 0.0000, 0.0000



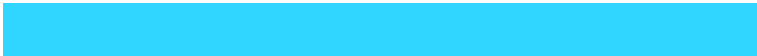
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4177, 38.8815, 66.2240



43.3324, 55.9437, 103.1221



19.7602, 17.5665, 62.6715



11.9506, 12.9915, 15.1214



15.7429, 20.1324, 40.2487



0.9323, 1.2297, 2.2678

Inverse Universe

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



36.7032, 21.0271, 45.8415



54.4508, 28.2651, 66.1925



40.6773, 40.6506, 11.1727



12.2060, 11.9671, 14.3605



20.5770, 10.1036, 23.7425



1.1768, 0.5754, 1.4658

Previews

White Background



This preview shows how the XYZ color 30.4164, 38.8801, 66.2231 looks on a white background.

Color Contrast Check

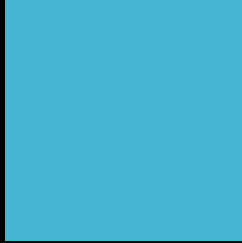
Large Text (above 18pt) WCAG AA × Fail

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 30.4164, 38.8801, 66.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

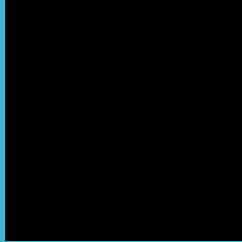
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4164, 38.8801, 66.2231

Background



This preview shows how black text looks on a background with the XYZ color 30.4164, 38.8801, 66.2231.



This preview shows how white text looks on a background with the XYZ color 30.4164, 38.8801,

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

30.4164, 38.8801, 66.2231

Protanopia

38.1454, 38.4611, 58.8393

Deuteranopia

39.2080, 38.2676, 68.2707



Tritanopia

29.1131, 38.9683, 59.4133

Trichromacy



Original Color

30.4164, 38.8801, 66.2231

Protanomaly

33.9760, 37.9021, 61.4022

Deuteranomaly

34.7158, 37.8629, 67.7659

Tritanomaly

29.5030, 38.8102, 61.8133

Monochromacy



Original Color

30.4164, 38.8801, 66.2231

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.8413, 32.4231, 43.3190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4164, 38.8801, 66.2231 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(68, 181, 209)` looks like.

```
.text, #text, p{  
    color:rgb(68, 181, 209)  
}
```

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(68, 181, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 181, 209) }
```

Border

The CSS property to change the border of an element to XYZ 30.4164, 38.8801, 66.2231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

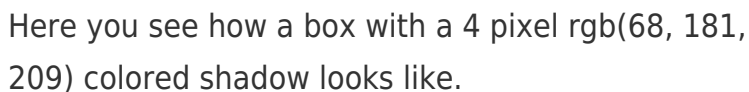
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 181, 209) }
```


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

```
.border{ border-color:rgb(68, 181, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(68, 181, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 181, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 181, 209);  
box-shadow:4px 4px 4px 4px rgb(68, 181,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4164, 38.8801, 66.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 181, 209) }
```

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

```
.background{ background-color: rgb(68, 181,  
209) }
```

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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