

Converting Colors

XYZ(30.0795, 27.9543, 66.0123)

Have a look what the booklet for
XYZ(30.0795, 27.9543, 66.0123)
contains.

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Color

**XYZ(30.1638, 28.0988,
66.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	808CD4
RGB	128, 140, 212
RGB Percent	50%, 55%, 83%
CMY	0.4980, 0.4510, 0.1686
CMYK	0.40, 0.34, 0.00, 0.17
HSL	231°, 49%, 67%
HSV	231°, 40%, 83%
XYZ	30.1638, 28.0988, 66.1212
YIQ	144.6200, -30.2640, 19.8480

Conversions

Conversions Part 2

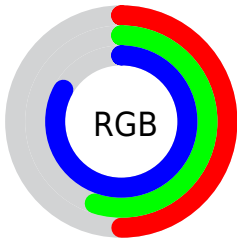
Format	Color
R_{YB}	128, 139, 212
Decimal	8424660
CIE _{Lab}	59.98, 13.56, -38.37
CIE _{LCh}	60, 40.694, 289.464
Yxy	28.0988, 0.2425, 0.2259
Android (android.graphics.Color)	4286614740 (0xFF808CD4)
YUV	144.6200, 33.2183, -14.5757
Hunter-Lab	53.0083, 8.8090, -36.8510

Details

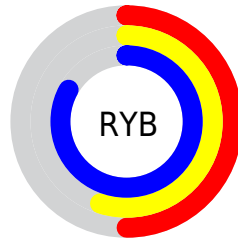
The XYZ color **30.1638, 28.0988, 66.1212** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.7028, 56.8652, 28.6743**, and the grayscale version is **26.6389, 28.0262, 30.5206**.

A 20% lighter version of the original color is **56.6484, 55.4272, 102.3206**, and **12.5660, 11.2025, 33.3983** is the 20% darker color. If you saturate the color by 10%, you get **24.8623, 21.7447, 65.1747**, and if you desaturate by 10%, it is **36.5719, 35.6754, 67.2464**.

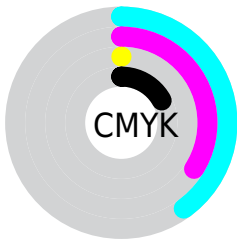
Distribution



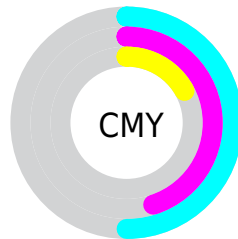
- Red (50%)
- Green (55%)
- Blue (83%)



- Red (50%)
- Yellow (55%)
- Blue (83%)



- Cyan (40%)
- Magenta (34%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1638, 28.0988, 66.1212 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 30.1638, 28.0988, 66.1212 by changing the saturation by 10% instead.

■ 30.1638, 28.0988,
66.1212

■ 30.1638, 28.0988,
66.1212

294.5634,
292.9387, 465.2263

■ 20.1116, 18.4002,
47.9137

■ 59.3060, 56.6421,
115.2889

■ 12.5850, 11.2377,
33.3990

■ 79.1267, 76.2556,
147.0862

■ 7.2184, 6.2269,
22.1587

■ 102.9343, 99.9428,
184.2506

■ 3.6466, 2.9835,
13.7741

131.0942,
128.0882, 227.2004

■ 1.5042, 1.1232,
7.8268

163.9717,
161.0760, 276.3544

■ 0.3287, 0.0000,
3.8981

201.9321,

■ 0.0000, 0.0000,

199.2908, 332.1310

1.5696

245.3409,
243.1169, 394.9488

■ 0.0000, 0.0000,
0.2690

■ 0.0000, 0.0000,
0.0000

■ 30.1638, 28.0988,
66.1212

■ 30.1638, 28.0988,
66.1212

■ 24.8623, 21.7447,
65.1747

■ 36.5719, 35.6754,
67.2464

■ 20.6012, 16.5453,
64.3957

■ 44.1419, 44.5310,
68.5567

■ 17.3114, 12.4311,
63.7749

■ 52.9289, 54.7226,
70.0608

■ 14.9145, 9.3235,
63.3014

■ 62.9836, 66.3025,
71.7660

■ 13.3191, 7.1328,
62.9627

■ 74.3537, 79.3205,
73.6794

■ 12.3831, 5.7372,
62.7427

■ 87.0095, 93.7849,
75.8043

■ 12.3553, 5.6965,
62.7363

■ 88.8838, 97.5335,
76.4291

Harmonies

Analogous

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



24.9277, 28.0988, 68.0602



30.1638, 28.0988, 66.1212



35.0106, 28.0988, 53.1194

Triad

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



30.1638, 28.0988, 66.1212



33.7143, 28.0988, 13.6385



18.0661, 28.0988, 25.6717

Complementary

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



30.1638, 28.0988, 66.1212



51.7028, 56.8652, 28.6743

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.



19.8326, 28.0988, 15.5532



30.1638, 28.0988, 66.1212



28.5692, 28.0988, 10.2524

Square

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



30.1638, 28.0988, 66.1212



37.2367, 28.0988, 22.0434



23.5251, 28.0988, 10.8167



18.3769, 28.0988, 41.1132

Rectangle

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



30.1638, 28.0988, 66.1212



37.1573, 28.0988, 41.7266



23.5251, 28.0988, 10.8167



18.4266, 28.0988, 21.6430

Sweetspot

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



30.1648, 28.0998, 66.1219



76.8706, 79.0434, 105.8131



42.8018, 55.8190, 62.7957



16.0666, 16.4705, 22.5823



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.



30.1648, 28.0998, 66.1219



38.5797, 34.0138, 99.1397



33.5867, 27.4014, 65.8067



11.8843, 12.2920, 15.6837



7.6715, 3.6047, 38.7446



0.5097, 0.3114, 2.3526

Inverse Universe

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



39.6050, 31.3299, 28.7717



55.0847, 40.1305, 33.7326



46.8740, 58.6645, 29.2761



12.4948, 12.4494, 13.2799



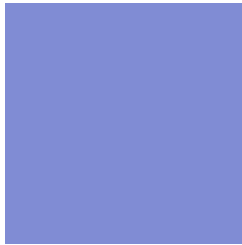
16.9311, 8.7087, 1.6750



1.0449, 0.5348, 0.2260

Previews

White Background



This preview shows how the XYZ color 30.1638, 28.0988, 66.1212 looks on a white background.

Color Contrast Check

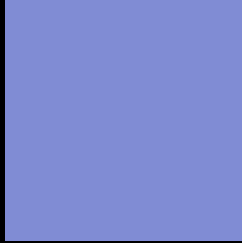
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1638, 28.0988, 66.1212 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 × Fail

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

XYZ 30.1638, 28.0988, 66.1212

Background



This preview shows how black text looks on a background with the XYZ color 30.1638, 28.0988, 66.1212.



This preview shows how white text looks on a background with the XYZ color 30.1638, 28.0988,

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

30.1638, 28.0988, 66.1212

Protanopia

29.5563, 28.1941, 67.5025

Deuteranopia

28.7828, 28.0611, 65.5273



Tritanopia

24.6304, 28.1343, 38.3147

Trichromacy



Original Color

30.1638, 28.0988, 66.1212

Protanomaly

29.7035, 28.0648, 66.8023

Deuteranomaly

29.1766, 28.0422, 65.5029

Tritanomaly

26.2628, 27.8461, 47.1707

Monochromacy



Original Color

30.1638, 28.0988, 66.1212

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.6314, 27.9985, 41.4840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1638, 28.0988, 66.1212 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(128, 140, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 140, 212)  
}
```

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(128, 140, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 140, 212) }
```

Border

The CSS property to change the border of an element to XYZ 30.1638, 28.0988, 66.1212 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(128, 140, 212) }
```


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

```
.border{ border-color:rgb(128, 140, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 140, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 140, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 140, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 140,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1638, 28.0988, 66.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 140, 212) }
```

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

```
.background{ background-color: rgb(128,  
140, 212) }
```

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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