

Converting Colors

XYZ(16.6986, 12.7842, 53.8019)

Have a look what the booklet for
XYZ(16.6986, 12.7842, 53.8019)
contains.

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Color

**XYZ(16.6781, 12.7500,
53.8065)**

Conversions

Conversions Part 1

Format	Color
Hex	4E59C4
RGB	78, 89, 196
RGB Percent	31%, 35%, 77%
CMY	0.6941, 0.6510, 0.2314
CMYK	0.60, 0.55, 0.00, 0.23
HSL	234°, 50%, 54%
HSV	234°, 60%, 77%
XYZ	16.6781, 12.7500, 53.8065
YIQ	97.9090, -40.9030, 30.9450

Conversions

Conversions Part 2

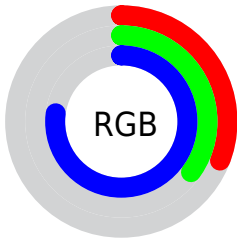
Format	Color
R _Y B	78, 88, 196
Decimal	5134788
CIE Lab	42.38, 28.27, -57.46
CIE LCh	42, 64.035, 296.196
Yxy	12.7500, 0.2004, 0.1532
Android (android.graphics.Color)	4283324868 (0xFF4E59C4)
YUV	97.9090, 48.3589, -17.4602
Hunter-Lab	35.7071, 20.8863, -64.3481

Details

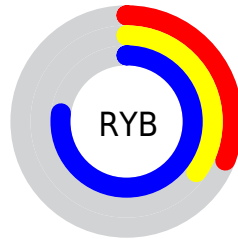
The XYZ color **16.6781, 12.7500, 53.8065** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **41.4908, 46.9866, 14.0915**, and the grayscale version is **11.4785, 12.0763, 13.1510**.

A 20% lighter version of the original color is **37.2788, 30.8755, 96.9233**, and **5.7084, 3.7245, 25.6173** is the 20% darker color. If you saturate the color by 10%, you get **14.0002, 9.4327, 53.3076**, and if you desaturate by 10%, it is **20.1927, 17.0288, 54.4474**.

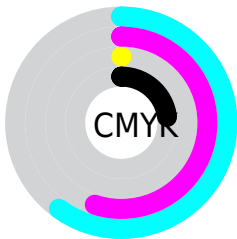
Distribution



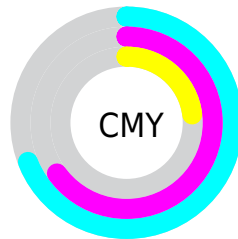
- Red (31%)
- Green (35%)
- Blue (77%)



- Red (31%)
- Yellow (35%)
- Blue (77%)



- Cyan (60%)
- Magenta (55%)
- Yellow (0%)
- Black (23%)



- Cyan (69%)
- Magenta (65%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6781, 12.7500, 53.8065 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 16.6781, 12.7500, 53.8065 by changing the saturation by 10% instead.

■ 16.6781, 12.7500,
53.8065

■ 16.6781, 12.7500,
53.8065

226.5031,
209.3092, 418.5254

■ 10.0991, 7.2566,
38.0549

■ 37.3195, 30.8539,
97.2436

■ 5.5275, 3.6231,
25.7231

■ 52.1126, 44.2332,
125.7662

■ 2.5979, 1.4650,
16.3927

■ 70.3746, 61.0100,
159.3828

■ 0.9449, 0.2639,
9.6451

■ 92.4706, 81.5686,
198.5120

■ 0.0000, 0.0000,
5.0618

■ 118.7661,
106.2934, 243.5723

■ 0.0000, 0.0000,
2.2242

149.6264,

■ 0.0000, 0.0000,

135.5689, 294.9823

0.6883

185.4170,
169.7793, 353.1605

■ 0.0000, 0.0000,
0.0000

■ 16.6781, 12.7500,
53.8065

■ 16.6781, 12.7500,
53.8065

■ 14.0002, 9.4327,
53.3076

■ 20.1927, 17.0288,
54.4474

■ 12.0871, 7.0008,
52.9391

■ 24.6043, 22.3349,
55.2391

■ 10.8577, 5.3685,
52.6888

■ 29.9697, 28.7296,
56.1906

■ 10.1844, 4.4267,
52.5425

■ 36.3404, 36.2690,
57.3101

■ 43.7644, 45.0054,
58.6051

■ 52.2863, 54.9878,
60.0828

■ 61.9483, 66.2626,
61.7498

■ 72.7905, 78.8737,
63.6125

■ 84.8508, 92.8629,
65.6771

Harmonies

Analogous

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



11.5150, 12.7500, 60.6478



16.6781, 12.7500, 53.8065



21.5453, 12.7500, 34.4548

Triad

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



16.6781, 12.7500, 53.8065



18.0283, 12.7500, 1.4543



5.0332, 12.7500, 12.1980

Complementary

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



16.6781, 12.7500, 53.8065



41.4908, 46.9866, 14.0915

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.



5.9423, 12.7500, 3.7439



16.6781, 12.7500, 53.8065



12.7427, 12.7500, 0.6419

Square

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



16.6781, 12.7500, 53.8065



22.4587, 12.7500, 5.1640



8.4763, 12.7500, 1.0976



5.5688, 12.7500, 29.1698

Rectangle

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



16.6781, 12.7500, 53.8065



23.5050, 12.7500, 21.2121



8.4763, 12.7500, 1.0976



5.1719, 12.7500, 8.4720

Sweetspot

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



16.6787, 12.7504, 53.8068



68.2619, 68.5681, 104.2449



31.5553, 44.5692, 52.3976



13.8160, 13.7387, 22.1736



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.



16.6787, 12.7504, 53.8068



24.2095, 15.6377, 96.3501



21.1760, 13.8106, 53.7745



9.6021, 9.8956, 12.6888



6.5726, 2.9016, 33.7703



0.3101, 0.1777, 1.4678

Inverse Universe

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



27.2931, 17.9068, 11.4692



45.3013, 26.5305, 12.0763



33.4739, 46.4013, 14.4010



10.1105, 10.0928, 10.6723



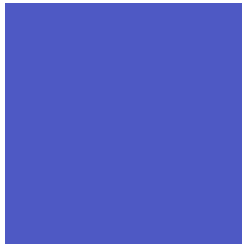
14.7135, 7.5752, 1.1374



0.6489, 0.3326, 0.1187

Previews

White Background



This preview shows how the XYZ color 16.6781, 12.7500, 53.8065 looks on a white background.

Color Contrast Check

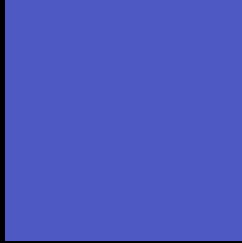
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.6781, 12.7500, 53.8065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

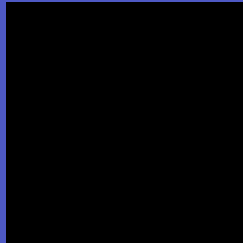
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6781, 12.7500, 53.8065

Background



This preview shows how black text looks on a background with the XYZ color 16.6781, 12.7500, 53.8065.



This preview shows how white text looks on a background with the XYZ color 16.6781, 12.7500,

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

16.6781, 12.7500, 53.8065

Protanopia

15.2336, 12.8035, 58.7952

Deuteranopia

12.7873, 12.7171, 43.9002



Tritanopia

9.6935, 12.7375, 19.0872

Trichromacy



Original Color

16.6781, 12.7500, 53.8065

Protanomaly

15.1845, 12.4208, 56.8555

Deuteranomaly

13.5105, 12.2990, 47.5608

Tritanomaly

11.5152, 12.3903, 28.9788

Monochromacy



Original Color

16.6781, 12.7500, 53.8065

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7097, 12.1298, 24.2257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6781, 12.7500, 53.8065 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(78, 89, 196)` looks like.

```
.text, #text, p{  
    color:rgb(78, 89, 196)  
}
```

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(78, 89, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 89, 196) }
```

Border

The CSS property to change the border of an element to XYZ 16.6781, 12.7500, 53.8065 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(78, 89, 196) }
```


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

```
.border{ border-color:rgb(78, 89, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 89, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 89, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 89, 196);  
box-shadow:4px 4px 4px 4px rgb(78, 89,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6781, 12.7500, 53.8065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 89, 196) }
```

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

```
.background{ background-color: rgb(78, 89,  
196) }
```

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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