

Converting Colors

XYZ(16.6265, 12.2343, 53.0718)

Have a look what the booklet for
XYZ(16.6265, 12.2343, 53.0718)
contains.

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Color

**XYZ(16.6661, 12.2761,
53.1209)**

Conversions

Conversions Part 1

Format	Color
Hex	5355C3
RGB	83, 85, 195
RGB Percent	33%, 33%, 76%
CMY	0.6745, 0.6667, 0.2353
CMYK	0.57, 0.56, 0.00, 0.24
HSL	239°, 48%, 55%
HSV	239°, 57%, 76%
XYZ	16.6661, 12.2761, 53.1209
YIQ	96.9420, -36.5020, 33.7860

Conversions

Conversions Part 2

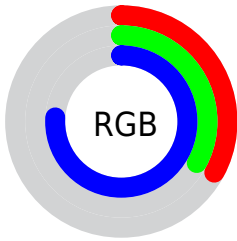
Format	Color
R_{YB}	83, 85, 195
Decimal	5461443
CIE _{Lab}	41.65, 31.36, -58.05
CIE _{LCh}	42, 65.975, 298.379
Yxy	12.2761, 0.2031, 0.1496
Android (android.graphics.Color)	4283651523 (0xFF5355C3)
YUV	96.9420, 48.3426, -12.2271
Hunter-Lab	35.0373, 23.5915, -65.3650

Details

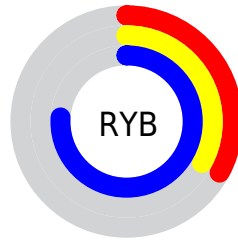
The XYZ color **16.6661, 12.2761, 53.1209** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted blue. A complement of this color would be **43.1386, 50.3693, 15.6334**, and the grayscale version is **11.2402, 11.8255, 12.8780**.

A 20% lighter version of the original color is **37.2192, 30.0189, 95.9280**, and **5.5049, 3.4175, 25.1804** is the 20% darker color. If you saturate the color by 10%, you get **13.8720, 8.8923, 52.6153**, and if you desaturate by 10%, it is **20.3531, 16.7260, 53.7858**.

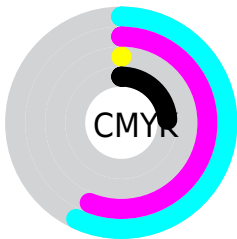
Distribution



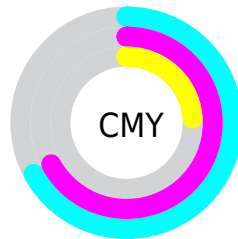
- Red (33%)
- Green (33%)
- Blue (76%)



- Red (33%)
- Yellow (33%)
- Blue (76%)



- Cyan (57%)
- Magenta (56%)
- Yellow (0%)
- Black (24%)



- Cyan (67%)
- Magenta (67%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6661, 12.2761, 53.1209 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 16.6661, 12.2761, 53.1209 by changing the saturation by 10% instead.

■ 16.6661, 12.2761,
53.1209

■ 16.6661, 12.2761,
53.1209

226.4347,
206.2247, 415.8282

■ 10.0905, 6.9320,
37.5109

■ 37.2990, 29.9970,
96.2256

■ 5.5218, 3.4196,
25.3044

■ 52.0870, 43.1425,
124.5574

■ 2.5944, 1.3545,
16.0829

■ 70.3432, 59.6574,
157.9668

■ 0.9431, 0.1828,
9.4279

■ 92.4330, 79.9259,
196.8725

■ 0.0000, 0.0000,
4.9207

■ 118.7217,
104.3325, 241.6930

■ 0.0000, 0.0000,
2.1429

149.5746,

■ 0.0000, 0.0000,

133.2616, 292.8467

0.6411

185.3572,
167.0975, 350.7523

■ 0.0000, 0.0000,
0.0000

■ 16.6661, 12.2761,
53.1209

■ 16.6661, 12.2761,
53.1209

■ 13.8720, 8.8923,
52.6153

■ 20.3531, 16.7260,
53.7858

■ 11.8937, 6.4845,
52.2548

■ 24.9982, 22.3201,
54.6207

■ 10.6437, 4.9496,
52.0244

■ 30.6625, 29.1301,
55.6366

■ 10.0041, 4.1546,
51.9047

■ 37.4015, 37.2218,
56.8433

■ 9.8881, 4.0155,
51.8840

■ 45.2667, 46.6562,
58.2498

■ 54.3064, 57.4904,
59.8646

■ 64.5660, 69.7782,
61.6956

■ 76.0884, 83.5706,
63.7505

■ 86.8504, 96.7202,
65.7214

Harmonies

Analogous

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



11.4071, 12.2761, 61.5275



16.6661, 12.2761, 53.1209



21.5057, 12.2761, 32.7408

Triad

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



16.6661, 12.2761, 53.1209



17.2504, 12.2761, 1.0987



4.6256, 12.2761, 12.6277

Complementary

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



16.6661, 12.2761, 53.1209



43.1386, 50.3693, 15.6334

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.



5.4087, 12.2761, 3.7048



16.6661, 12.2761, 53.1209



11.9330, 12.2761, 0.4100

Square

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



16.6661, 12.2761, 53.1209



21.9034, 12.2761, 4.2873



7.7848, 12.2761, 0.9625



5.2527, 12.2761, 30.4277

Rectangle

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



16.6661, 12.2761, 53.1209



23.3435, 12.2761, 19.4769



7.7848, 12.2761, 0.9625



4.7271, 12.2761, 8.6900

Sweetspot

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



16.6667, 12.2765, 53.1212



67.2080, 66.9305, 101.8464



32.5164, 44.6431, 56.3478



14.1391, 13.9624, 22.1998



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.



16.6667, 12.2765, 53.1212



23.7747, 14.6263, 94.0399



22.9792, 15.3009, 53.3723



9.5424, 9.7761, 12.6689



6.4332, 2.6230, 33.7238



0.2830, 0.1235, 1.4588

Inverse Universe

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



27.2392, 18.4454, 10.7191



44.5497, 26.8648, 10.6933



32.3589, 45.4712, 15.2561



10.0803, 10.0807, 10.5135



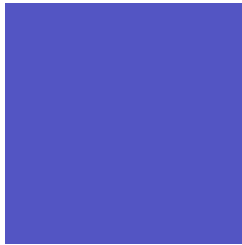
14.6432, 7.5470, 0.7671



0.6352, 0.3271, 0.0466

Previews

White Background



This preview shows how the XYZ color 16.6661, 12.2761, 53.1209 looks on a white background.

Color Contrast Check

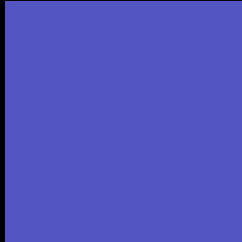
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6661, 12.2761, 53.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

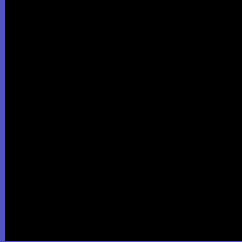
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6661, 12.2761, 53.1209

Background



This preview shows how black text looks on a background with the XYZ color 16.6661, 12.2761, 53.1209.



This preview shows how white text looks on a background with the XYZ color 16.6661, 12.2761,

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

16.6661, 12.2761, 53.1209

Protanopia

14.5453, 12.2225, 56.8509

Deuteranopia

12.1972, 12.1703, 41.7506



Tritanopia

9.6138, 12.2497, 18.0774

Trichromacy



Original Color

16.6661, 12.2761, 53.1209

Protanomaly

14.5853, 11.8817, 55.5575

Deuteranomaly

13.0711, 11.8378, 45.8520

Tritanomaly

11.4516, 11.8057, 28.0607

Monochromacy



Original Color

16.6661, 12.2761, 53.1209

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.5616, 11.7975, 23.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6661, 12.2761, 53.1209 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(83, 85, 195)` looks like.

```
.text, #text, p{  
    color:rgb(83, 85, 195)  
}
```

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(83, 85, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 85, 195) }
```

Border

The CSS property to change the border of an element to XYZ 16.6661, 12.2761, 53.1209 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(83, 85, 195) }
```


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

```
.border{ border-color:rgb(83, 85, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 85, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 85, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 85, 195);  
box-shadow:4px 4px 4px 4px rgb(83, 85,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6661, 12.2761, 53.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 85, 195) }
```

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

```
.background{ background-color: rgb(83, 85,  
195) }
```

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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