

Converting Colors

XYZ(16.5449, 14.9728, 50.8087)

Have a look what the booklet for
XYZ(16.5449, 14.9728, 50.8087)
contains.

XYZ(16.5258, 14.9447, 50.7288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.5258, 14.9447,
50.7288)**

Conversions

Conversions Part 1

Format	Color
Hex	4169BE
RGB	65, 105, 190
RGB Percent	25%, 41%, 75%
CMY	0.7451, 0.5882, 0.2549
CMYK	0.66, 0.45, 0.00, 0.25
HSL	221°, 49%, 50%
HSV	221°, 66%, 75%
XYZ	16.5258, 14.9447, 50.7288
YIQ	102.7300, -51.1250, 17.9550

Conversions

Conversions Part 2

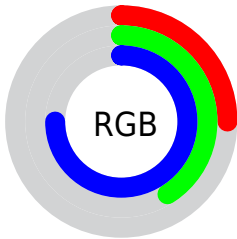
Format	Color
R _{YB}	65, 95, 190
Decimal	4286910
CIE _{Lab}	45.56, 13.73, -48.91
CIE _{LCh}	46, 50.802, 285.681
Yxy	14.9447, 0.2010, 0.1818
Android (android.graphics.Color)	4282476990 (0xFF4169BE)
YUV	102.7300, 43.0241, -33.0892
Hunter-Lab	38.6584, 8.6536, -50.7414

Details

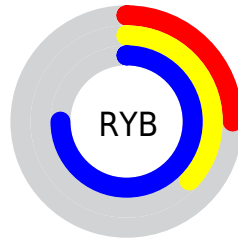
The XYZ color **16.5258, 14.9447, 50.7288** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **33.0970, 33.1436, 9.6550**, and the grayscale version is **12.7215, 13.3840, 14.5752**.

A 20% lighter version of the original color is **37.1344, 34.8523, 92.7657**, and **6.0079, 4.9055, 23.9228** is the 20% darker color. If you saturate the color by 10%, you get **14.2555, 11.9670, 50.2740**, and if you desaturate by 10%, it is **19.4203, 18.5413, 51.2708**.

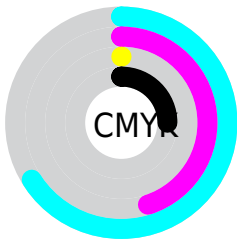
Distribution



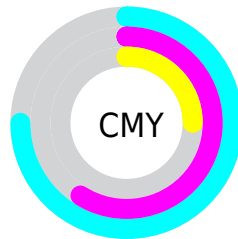
- Red (25%)
- Green (41%)
- Blue (75%)



- Red (25%)
- Yellow (37%)
- Blue (75%)



- Cyan (66%)
- Magenta (45%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (59%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5258, 14.9447, 50.7288 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 16.5258, 14.9447, 50.7288 by changing the saturation by 10% instead.

■ 16.5258, 14.9447,
50.7288

■ 16.5258, 14.9447,
50.7288

225.6346,
223.0313, 406.3256

■ 9.9902, 8.7806,
35.6176

■ 37.0588, 34.7561,
92.6612

■ 5.4547, 4.5983,
23.8517

■ 51.7868, 49.1722,
120.3194

■ 2.5539, 2.0136,
15.0124

■ 69.9764, 67.1078,
152.9971

■ 0.9225, 0.6153,
8.6814

■ 91.9929, 88.9472,
191.1127

■ 0.0000, 0.0000,
4.4400

■ 118.2015,
115.0749, 235.0848

■ 0.0000, 0.0000,
1.8697

148.9678,

■ 0.0000, 0.0000,

145.8752, 285.3320

0.4733

184.6571,
181.7325, 342.2727

■ 0.0000, 0.0000,
0.0000

■ 16.5258, 14.9447,
50.7288

■ 16.5258, 14.9447,
50.7288

■ 14.2555, 11.9670,
50.2740

■ 19.4203, 18.5413,
51.2708

■ 12.5540, 9.5659,
49.9003

■ 22.9838, 22.7920,
51.9034

■ 11.3568, 7.6939,
49.6020

■ 27.2587, 27.7306,
52.6314

■ 10.9521, 7.0334,
49.4959

■ 32.2835, 33.3880,
53.4585

■ 38.0935, 39.7932,
54.3886

■ 44.7219, 46.9735,
55.4252

■ 52.1999, 54.9545,
56.5716

■ 60.5569, 63.7609,
57.8309

■ 69.8209, 73.4161,
59.2063

Harmonies

Analogous

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



12.2807, 14.9447, 51.0363



16.5258, 14.9447, 50.7288



20.8780, 14.9447, 38.6649

Triad

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



16.5258, 14.9447, 50.7288



20.7011, 14.9447, 4.6261



7.6750, 14.9447, 11.1505

Complementary

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



16.5258, 14.9447, 50.7288



33.0970, 33.1436, 9.6550

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.



9.1302, 14.9447, 4.7980



16.5258, 14.9447, 50.7288



16.3194, 14.9447, 2.5088

Square

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



16.5258, 14.9447, 50.7288



23.5966, 14.9447, 10.7385



12.1114, 14.9447, 2.5504



7.7083, 14.9447, 23.4401

Rectangle

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



16.5258, 14.9447, 50.7288



23.0120, 14.9447, 27.9162



12.1114, 14.9447, 2.5504



7.9913, 14.9447, 8.4218

Sweetspot

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



16.5264, 14.9452, 50.7292



64.0726, 66.6725, 97.7712



25.9659, 40.1000, 34.5281



13.4204, 13.9235, 21.3655



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.5264, 14.9452, 50.7292



24.3261, 19.6061, 90.7814



15.0079, 9.4699, 49.7524



9.2590, 9.7104, 12.0585



7.3461, 4.8038, 32.9330



0.3484, 0.3094, 1.3102

Inverse Universe

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



25.6759, 15.7485, 15.0514



42.7708, 23.5144, 18.3441



35.7662, 45.6625, 11.9307



9.6526, 9.5853, 10.5596



14.7087, 7.5146, 3.7597



0.6067, 0.3066, 0.3084

Previews

White Background



This preview shows how the XYZ color 16.5258, 14.9447, 50.7288 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 16.5258, 14.9447, 50.7288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

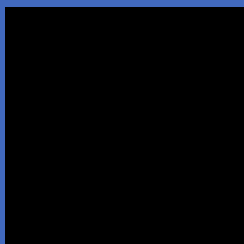
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5258, 14.9447, 50.7288

Background



This preview shows how black text looks on a background with the XYZ color 16.5258, 14.9447, 50.7288.



This preview shows how white text looks on a background with the XYZ color 16.5258, 14.9447,

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

16.5258, 14.9447, 50.7288

Protanopia

16.7297, 15.0498, 50.7383

Deuteranopia

15.3815, 14.9865, 50.2261



Tritanopia

10.8698, 14.9464, 22.7341

Trichromacy



Original Color

16.5258, 14.9447, 50.7288

Protanomaly

16.6606, 15.0141, 50.7351

Deuteranomaly

15.7202, 15.0036, 50.2116

Tritanomaly

12.4399, 14.7003, 31.4599

Monochromacy



Original Color

16.5258, 14.9447, 50.7288

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4433, 13.7737, 24.8717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5258, 14.9447, 50.7288 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(65, 105, 190)` looks like.

```
.text, #text, p{  
    color:rgb(65, 105, 190)  
}
```

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(65, 105, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 105, 190) }
```

Border

The CSS property to change the border of an element to XYZ 16.5258, 14.9447, 50.7288 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(65, 105, 190) }
```


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

```
.border{ border-color:rgb(65, 105, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 105, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 105, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 105, 190);  
box-shadow:4px 4px 4px 4px rgb(65, 105,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5258, 14.9447, 50.7288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 105, 190) }
```

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

```
.background{ background-color: rgb(65, 105,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor