

Converting Colors

XYZ(18.4690, 14.7088, 49.8290)

Have a look what the booklet for
XYZ(18.4690, 14.7088, 49.8290)
contains.

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Color

**XYZ(18.5138, 14.6925,
50.0043)**

Conversions

Conversions Part 1

Format	Color
Hex	6360BD
RGB	99, 96, 189
RGB Percent	39%, 38%, 74%
CMY	0.6117, 0.6235, 0.2588
CMYK	0.48, 0.49, 0.00, 0.26
HSL	242°, 41%, 56%
HSV	242°, 49%, 74%
XYZ	18.5138, 14.6925, 50.0043
YIQ	107.4990, -28.0650, 29.5590

Conversions

Conversions Part 2

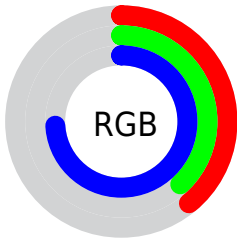
Format	Color
R_{YB}	99, 96, 189
Decimal	6512829
CIE _{Lab}	45.21, 26.00, -48.77
CIE _{LCh}	45, 55.268, 298.064
Yxy	14.6925, 0.2225, 0.1766
Android (android.graphics.Color)	4284702909 (0xFF6360BD)
YUV	107.4990, 40.1800, -7.4536
Hunter-Lab	38.3308, 19.1367, -50.5150

Details

The XYZ color **18.5138, 14.6925, 50.0043** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.5581, 47.6788, 18.1319**, and the grayscale version is **14.0116, 14.7413, 16.0532**.

A 20% lighter version of the original color is **40.5858, 34.4898, 91.7069**, and **6.4282, 4.5019, 23.4518** is the 20% darker color. If you saturate the color by 10%, you get **15.2153, 10.7328, 49.4142**, and if you desaturate by 10%, it is **22.6806, 19.7154, 50.7545**.

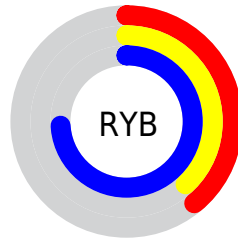
Distribution



Red (39%)

Green (38%)

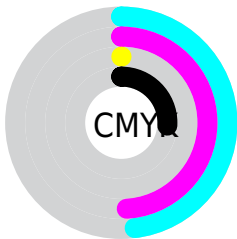
Blue (74%)



Red (39%)

Yellow (38%)

Blue (74%)

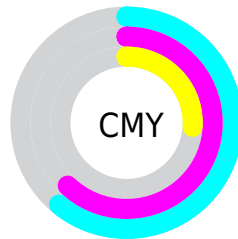


Cyan (48%)

Magenta (49%)

Yellow (0%)

Black (26%)



Cyan (61%)

Magenta (62%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5138, 14.6925, 50.0043 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 18.5138, 14.6925, 50.0043 by changing the saturation by 10% instead.

■ 18.5138, 14.6925,
50.0043

■ 18.5138, 14.6925,
50.0043

236.7413,
221.4974, 403.4183

■ 11.4214, 8.6039,
35.0456

■ 40.4342, 34.3128,
91.5776

■ 6.4204, 4.4837,
23.4142

■ 55.9928, 48.6133,
119.0293

■ 3.1454, 1.9477,
14.6915

■ 75.1043, 66.4198,
151.4825

■ 1.2311, 0.5768,
8.4589

■ 98.1340, 88.1168,
189.3555

■ 0.1307, 0.0000,
4.2980

125.4471,
114.0887, 233.0671

■ 0.0000, 0.0000,
1.7902

157.4092,

■ 0.0000, 0.0000,

144.7198, 283.0358

0.4215

194.3855,
180.3946, 339.6800

■ 0.0000, 0.0000,
0.0000

■ 18.5138, 14.6925,
50.0043

■ 18.5138, 14.6925,
50.0043

■ 15.2153, 10.7328,
49.4142

■ 22.6806, 19.7154,
50.7545

■ 12.7220, 7.7585,
48.9715

■ 27.7689, 25.8689,
51.6741

■ 10.9653, 5.6835,
48.6635

■ 33.8301, 33.2166,
52.7729

■ 9.8647, 4.4063,
48.4750

■ 40.9112, 41.8168,
54.0597

■ 9.2962, 3.7555,
48.3794

■ 49.0561, 51.7242,
55.5427

■ 9.2618, 3.7135,
48.3731

■ 58.3062, 62.9901,
57.2297

■ 68.7006, 75.6632,
59.1280

■ 80.2765, 89.7895,
61.2445

■ 86.1854, 96.4541,
62.2195

Harmonies

Analogous

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



13.6704, 14.6925, 56.5584



18.5138, 14.6925, 50.0043



22.8149, 14.6925, 33.3157

Triad

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



18.5138, 14.6925, 50.0043



19.1404, 14.6925, 2.7433



6.9019, 14.6925, 15.1635

Complementary

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



18.5138, 14.6925, 50.0043



40.5581, 47.6788, 18.1319

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.



7.7626, 14.6925, 6.0455



18.5138, 14.6925, 50.0043



14.2633, 14.6925, 1.7319

Square

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



18.5138, 14.6925, 50.0043



23.2286, 14.6925, 6.8472



10.2296, 14.6925, 2.4895



7.5639, 14.6925, 30.9746

Rectangle

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



18.5138, 14.6925, 50.0043



24.4310, 14.6925, 21.7790



10.2296, 14.6925, 2.4895



7.0181, 14.6925, 11.3422

Sweetspot

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



18.5144, 14.6930, 50.0047



65.3961, 65.3253, 95.3885



31.8754, 41.8932, 54.5506



13.5060, 13.3715, 20.4117



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.5144, 14.6930, 50.0047



26.8730, 18.7707, 88.4329



24.8788, 17.9740, 50.3025



9.0442, 9.2397, 11.9790



6.2441, 2.5050, 32.5473



0.2545, 0.1032, 1.2754

Inverse Universe

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



34.0320, 22.7299, 49.0465



57.9273, 34.8610, 86.2195



31.2852, 42.8984, 17.6979



9.9163, 9.6908, 11.9482



19.8695, 9.5790, 30.9362



0.7825, 0.3769, 1.2340

Previews

White Background



This preview shows how the XYZ color 18.5138, 14.6925, 50.0043 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 18.5138, 14.6925, 50.0043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

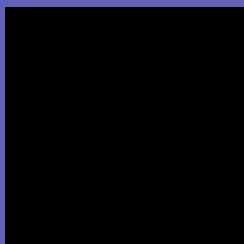
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5138, 14.6925, 50.0043

Background



This preview shows how black text looks on a background with the XYZ color 18.5138, 14.6925, 50.0043.



This preview shows how white text looks on a background with the XYZ color 18.5138, 14.6925,

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

18.5138, 14.6925, 50.0043

Protanopia

16.8320, 14.8617, 54.8048

Deuteranopia

15.1803, 14.7625, 48.5037



Tritanopia

12.5536, 14.6743, 20.2599

Trichromacy



Original Color

18.5138, 14.6925, 50.0043

Protanomaly

17.2153, 14.6582, 52.9609

Deuteranomaly

15.9699, 14.5452, 48.9795

Tritanomaly

14.2728, 14.4096, 29.2232

Monochromacy



Original Color

18.5138, 14.6925, 50.0043

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.2914, 14.7100, 25.7003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5138, 14.6925, 50.0043 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(99, 96, 189)` looks like.

```
.text, #text, p{  
    color:rgb(99, 96, 189)  
}
```

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(99, 96, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 96, 189) }
```

Border

The CSS property to change the border of an element to XYZ 18.5138, 14.6925, 50.0043 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(99, 96, 189) }
```


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

```
.border{ border-color:rgb(99, 96, 189) }
```

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

Here you see how a box with a 4 pixel rgb(99, 96, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 96, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 96, 189);  
box-shadow:4px 4px 4px 4px rgb(99, 96,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5138, 14.6925, 50.0043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 96, 189) }
```

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

```
.background{ background-color: rgb(99, 96,  
189) }
```

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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