

Converting Colors

XYZ(14.9098, 14.0161, 50.6350)

Have a look what the booklet for
XYZ(14.9098, 14.0161, 50.6350)
contains.

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Color

**XYZ(14.8718, 13.9417,
50.6224)**

Conversions

Conversions Part 1

Format	Color
Hex	2168BE
RGB	33, 104, 190
RGB Percent	13%, 41%, 75%
CMY	0.8705, 0.5922, 0.2549
CMYK	0.83, 0.45, 0.00, 0.25
HSL	213°, 70%, 44%
HSV	213°, 83%, 75%
XYZ	14.8718, 13.9417, 50.6224
YIQ	92.5750, -69.9220, 11.6940

Conversions

Conversions Part 2

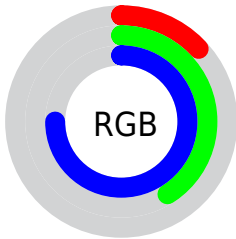
Format	Color
R_{YB}	33, 82, 190
Decimal	2189502
CIE _{Lab}	44.15, 10.17, -51.23
CIE _{LCh}	44, 52.231, 281.223
Yxy	13.9417, 0.1872, 0.1755
Android (android.graphics.Color)	4280379582 (0xFF2168BE)
YUV	92.5750, 48.0305, -52.2473
Hunter-Lab	37.3386, 5.7533, -54.2464

Details

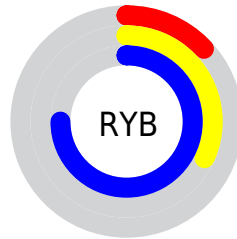
The XYZ color **14.8718, 13.9417, 50.6224** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **28.1087, 24.2544, 4.6400**, and the grayscale version is **10.2106, 10.7424, 11.6984**.

A 20% lighter version of the original color is **34.3355, 33.1613, 92.5868**, and **5.9570, 4.8037, 23.9058** is the 20% darker color. If you saturate the color by 10%, you get **13.4422, 11.7443, 50.2739**, and if you desaturate by 10%, it is **16.7749, 16.5754, 51.0308**.

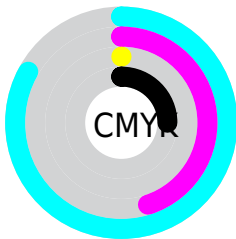
Distribution



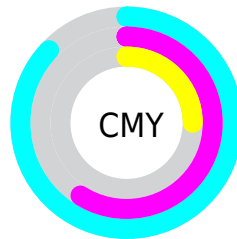
- Red (13%)
- Green (41%)
- Blue (75%)



- Red (13%)
- Yellow (32%)
- Blue (75%)



- Cyan (83%)
- Magenta (45%)
- Yellow (0%)
- Black (25%)



- Cyan (87%)
- Magenta (59%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8718, 13.9417, 50.6224 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 14.8718, 13.9417, 50.6224 by changing the saturation by 10% instead.

■ 14.8718, 13.9417,
50.6224

■ 14.8718, 13.9417,
50.6224

215.9927,
216.8678, 405.8995

■ 8.8152, 8.0801,
35.5335

■ 34.2016, 32.9855,
92.5021

■ 4.6770, 4.1463,
23.7873

■ 48.2056, 46.9366,
120.1301

■ 2.0918, 1.7557,
14.9652

■ 65.5893, 64.3530,
152.7749

■ 0.6848, 0.4593,
8.6486

■ 86.7182, 85.6190,
190.8550

■ 0.0000, 0.0000,
4.4190

■ 111.9577,
111.1191, 234.7890

■ 0.0000, 0.0000,
1.8579

141.6730,

■ 0.0000, 0.0000,

141.2377, 284.9954

0.4658

176.2296,
176.3591, 341.8927

■ 0.0000, 0.0000,
0.0000

■ 14.8718, 13.9417,
50.6224

■ 14.8718, 13.9417,
50.6224

■ 13.4422, 11.7443,
50.2739

■ 16.7749, 16.5754,
51.0308

■ 12.6153, 10.3596,
50.0503

■ 19.2046, 19.6791,
51.5018

■ 22.2079, 23.2834,
52.0392

■ 25.8257, 27.4154,
52.6461

■ 30.0946, 32.0998,
53.3253

■ 35.0484, 37.3595,
54.0794

■ 40.7183, 43.2159,
54.9110

■ 47.1334, 49.6892,
55.8223

■ 54.3212, 56.7987,
56.8157

Harmonies

Analogous

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



10.8368, 13.9417, 48.8967



14.8718, 13.9417, 50.6224



19.2605, 13.9417, 39.7922

Triad

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



14.8718, 13.9417, 50.6224



20.2338, 13.9417, 4.5269



7.0230, 13.9417, 8.9295

Complementary

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



14.8718, 13.9417, 50.6224



28.1087, 24.2544, 4.6400

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.



8.6432, 13.9417, 3.6386



14.8718, 13.9417, 50.6224



15.9998, 13.9417, 2.1736

Square

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



14.8718, 13.9417, 50.6224



22.7613, 13.9417, 11.1394



11.7528, 13.9417, 1.9664



6.8457, 13.9417, 20.0961

Rectangle

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



14.8718, 13.9417, 50.6224



21.5833, 13.9417, 29.1152



11.7528, 13.9417, 1.9664



7.3981, 13.9417, 6.5993

Sweetspot

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



14.8724, 13.9421, 50.6228



60.8877, 64.9425, 97.6052



22.2369, 38.4290, 22.9954



12.6647, 13.5125, 21.3260



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.



14.8724, 13.9421, 50.6228



22.8012, 18.6083, 90.6691



10.6471, 5.2231, 49.1625



9.3622, 9.9167, 12.0929



8.4647, 7.0411, 33.3058



0.3969, 0.4065, 1.3264

Inverse Universe

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



24.2784, 13.0353, 14.3334



41.5002, 21.0883, 17.5655



38.6399, 47.2225, 8.5183



9.7047, 9.6062, 10.8338



15.2733, 7.7405, 6.7330



0.6313, 0.3164, 0.4375

Previews

White Background



This preview shows how the XYZ color 14.8718, 13.9417, 50.6224 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 14.8718, 13.9417, 50.6224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

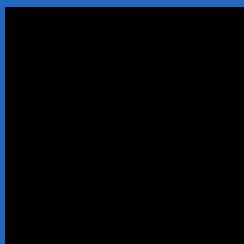
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

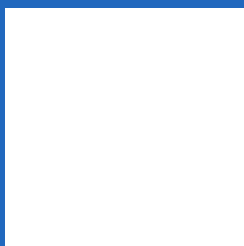
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8718, 13.9417, 50.6224

Background



This preview shows how black text looks on a background with the XYZ color 14.8718, 13.9417, 50.6224.



This preview shows how white text looks on a background with the XYZ color 14.8718, 13.9417,

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

14.8718, 13.9417, 50.6224

Protanopia

15.6099, 13.9194, 48.8777

Deuteranopia

14.1237, 13.8959, 48.9515



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

14.8718, 13.9417, 50.6224

Protanomaly

15.1937, 13.8374, 49.4470

Deuteranomaly

14.2803, 13.8122, 49.4903

Tritanomaly

11.1025, 13.5536, 29.6347

Monochromacy



Original Color

14.8718, 13.9417, 50.6224

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.7695, 11.4475, 22.0640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8718, 13.9417, 50.6224 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(33, 104, 190)` looks like.

```
.text, #text, p{  
    color:rgb(33, 104, 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(33, 104, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 104, 190) }
```

Border

The CSS property to change the border of an element to XYZ 14.8718, 13.9417, 50.6224 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(33, 104, 190) }
```


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

```
.border{ border-color:rgb(33, 104, 190) }
```

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

Here you see how a box with a 4 pixel rgb(33, 104, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 104, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 104, 190);  
box-shadow:4px 4px 4px 4px rgb(33, 104,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8718, 13.9417, 50.6224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 104, 190) }
```

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

```
.background{ background-color: rgb(33, 104,  
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](#).

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