

Converting Colors

XYZ(14.0025, 12.5622, 46.7774)

Have a look what the booklet for
XYZ(14.0025, 12.5622, 46.7774)
contains.

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Color

**XYZ(14.0531, 12.5909,
47.0370)**

Conversions

Conversions Part 1

Format	Color
Hex	2E61B8
RGB	46, 97, 184
RGB Percent	18%, 38%, 72%
CMY	0.8196, 0.6196, 0.2784
CMYK	0.75, 0.47, 0.00, 0.28
HSL	218°, 60%, 45%
HSV	218°, 75%, 72%
XYZ	14.0531, 12.5909, 47.0370
YIQ	91.6690, -58.3230, 16.2450

Conversions

Conversions Part 2

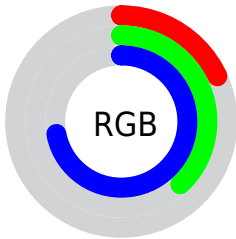
Format	Color
R_{YB}	46, 83, 184
Decimal	3039672
CIE _{Lab}	42.14, 13.79, -50.95
CIE _{LCh}	42, 52.781, 285.142
Yxy	12.5909, 0.1907, 0.1709
Android (android.graphics.Color)	4281229752 (0xFF2E61B8)
YUV	91.6690, 45.5192, -40.0517
Hunter-Lab	35.4837, 8.5975, -53.7560

Details

The XYZ color **14.0531, 12.5909, 47.0370** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **28.6494, 27.1653, 6.3192**, and the grayscale version is **10.0060, 10.5271, 11.4640**.

A 20% lighter version of the original color is **32.8664, 30.5978, 87.3928**, and **5.2573, 4.0677, 21.6271** is the 20% darker color. If you saturate the color by 10%, you get **12.4001, 10.2623, 46.6749**, and if you desaturate by 10%, it is **16.2191, 15.4169, 47.4686**.

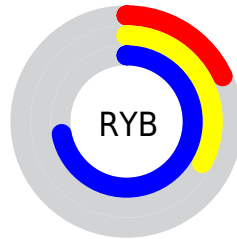
Distribution



Red (18%)

Green (38%)

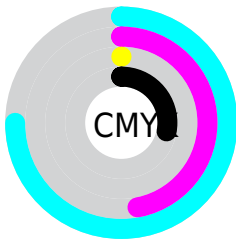
Blue (72%)



Red (18%)

Yellow (33%)

Blue (72%)

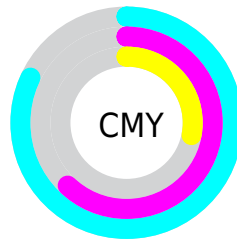


Cyan (75%)

Magenta (47%)

Yellow (0%)

Black (28%)



Cyan (82%)

Magenta (62%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0531, 12.5909, 47.0370 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 14.0531, 12.5909, 47.0370 by changing the saturation by 10% instead.

■ 14.0531, 12.5909,
47.0370

■ 14.0531, 12.5909,
47.0370

211.0649,
208.2789, 391.3602

■ 8.2396, 7.1474,
32.7104

■ 32.7687, 30.5668,
87.1194

■ 4.3017, 3.5545,
21.6353

■ 46.4015, 43.8681,
113.7123

■ 1.8742, 1.4276,
13.3935

■ 63.3713, 60.5574,
145.2309

■ 0.5618, 0.2369,
7.5661

■ 84.0437, 81.0192,
182.0939

■ 0.0000, 0.0000,
3.7348

■ 108.7839,
105.6379, 224.7198

■ 0.0000, 0.0000,
1.4810

137.9572,

■ 0.0000, 0.0000,

134.7978, 273.5271

0.2037

171.9291,
168.8833, 328.9344

■ 0.0000, 0.0000,
0.0000

■ 14.0531, 12.5909,
47.0370

■ 14.0531, 12.5909,
47.0370

■ 12.4001, 10.2623,
46.6749

■ 16.2191, 15.4169,
47.4686

■ 11.2024, 8.3909,
46.3769

■ 18.9431, 18.7727,
47.9728

■ 10.7185, 7.5941,
46.2486

■ 22.2666, 22.6886,
48.5535

■ 26.2266, 27.1922,
49.2140

■ 30.8567, 32.3089,
49.9576

■ 36.1880, 38.0625,
50.7872

■ 42.2497, 44.4754,
51.7055

■ 49.0692, 51.5689,
52.7153

■ 56.6725, 59.3633,
53.8190

Harmonies

Analogous

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



10.1312, 12.5909, 47.1003



14.0531, 12.5909, 47.0370



18.1673, 12.5909, 35.3590

Triad

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



14.0531, 12.5909, 47.0370



18.1323, 12.5909, 3.3754



6.0455, 12.5909, 8.8725

Complementary

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



14.0531, 12.5909, 47.0370



28.6494, 27.1653, 6.3192

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.



7.3677, 12.5909, 3.4053



14.0531, 12.5909, 47.0370



14.0128, 12.5909, 1.6235

Square

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



14.0531, 12.5909, 47.0370



20.8506, 12.5909, 8.7950



10.0988, 12.5909, 1.6302



6.0517, 12.5909, 20.1798

Rectangle

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



14.0531, 12.5909, 47.0370



20.2228, 12.5909, 24.9761



10.0988, 12.5909, 1.6302



6.3340, 12.5909, 6.4724

Sweetspot

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



14.0537, 12.5913, 47.0373



58.3493, 61.1948, 90.9411



22.3715, 36.5038, 27.3765



12.0478, 12.6144, 19.5214



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



14.0537, 12.5913, 47.0373



20.9786, 16.3052, 84.2461



11.6225, 6.4431, 45.9787



8.7856, 9.2485, 11.4015



7.4497, 5.3590, 31.8948



0.3227, 0.3091, 1.1444

Inverse Universe

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



22.9023, 13.0082, 12.6132



38.6423, 20.1180, 14.8602



33.7614, 42.7926, 9.0661



9.1381, 9.0656, 10.0749



14.3739, 7.3233, 4.5899



0.5371, 0.2703, 0.3215

Previews

White Background



This preview shows how the XYZ color 14.0531, 12.5909, 47.0370 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 14.0531, 12.5909, 47.0370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

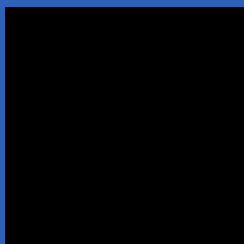
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0531, 12.5909, 47.0370

Background



This preview shows how black text looks on a background with the XYZ color 14.0531, 12.5909, 47.0370.



This preview shows how white text looks on a background with the XYZ color 14.0531, 12.5909,

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

14.0531, 12.5909, 47.0370

Protanopia

14.2514, 12.5689, 46.4747

Deuteranopia

12.6896, 12.5217, 43.8676



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

14.0531, 12.5909, 47.0370

Protanomaly

14.0954, 12.4884, 46.4674

Deuteranomaly

13.0266, 12.5288, 44.9117

Tritanomaly

10.1652, 12.1753, 27.4055

Monochromacy



Original Color

14.0531, 12.5909, 47.0370

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.6060, 10.9819, 20.9628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0531, 12.5909, 47.0370 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(46, 97, 184)` looks like.

```
.text, #text, p{  
  color:rgb(46, 97, 184)  
}
```

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(46, 97, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 97, 184) }
```

Border

The CSS property to change the border of an element to XYZ 14.0531, 12.5909, 47.0370 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(46, 97, 184) }
```


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

```
.border{ border-color:rgb(46, 97, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 97, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 97, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 97, 184);  
box-shadow:4px 4px 4px 4px rgb(46, 97,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0531, 12.5909, 47.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 97, 184) }
```

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

```
.background{ background-color: rgb(46, 97,  
184) }
```

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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