

Converting Colors

XYZ(14.4998, 11.7393, 44.6822)

Have a look what the booklet for
XYZ(14.4998, 11.7393, 44.6822)
contains.

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Color

**XYZ(14.4756, 11.6912,
44.6737)**

Conversions

Conversions Part 1

Format	Color
Hex	4958B4
RGB	73, 88, 180
RGB Percent	29%, 35%, 71%
CMY	0.7137, 0.6549, 0.2941
CMYK	0.59, 0.51, 0.00, 0.29
HSL	232°, 42%, 50%
HSV	232°, 59%, 71%
XYZ	14.4756, 11.6912, 44.6737
YIQ	94.0030, -38.4720, 25.4320

Conversions

Conversions Part 2

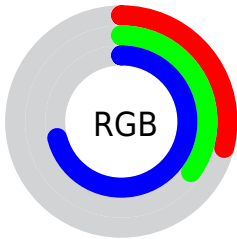
Format	Color
R_{YB}	73, 86, 180
Decimal	4806836
CIE _{Lab}	40.72, 22.53, -50.82
CIE _{LCh}	41, 55.589, 293.907
Yxy	11.6912, 0.2043, 0.1650
Android (android.graphics.Color)	4282996916 (0xFF4958B4)
YUV	94.0030, 42.3965, -18.4196
Hunter-Lab	34.1924, 15.7326, -53.5300

Details

The XYZ color **14.4756, 11.6912, 44.6737** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.4814, 37.0967, 11.7000**, and the grayscale version is **10.5501, 11.0995, 12.0874**.

A 20% lighter version of the original color is **33.4347, 28.9789, 83.1882**, and **4.6298, 3.2341, 20.1189** is the 20% darker color. If you saturate the color by 10%, you get **12.1655, 8.8104, 44.2397**, and if you desaturate by 10%, it is **17.4511, 15.3156, 45.2167**.

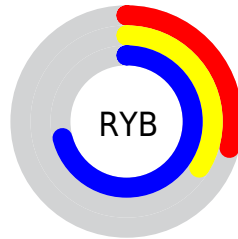
Distribution



Red (29%)

Green (35%)

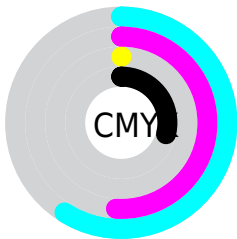
Blue (71%)



Red (29%)

Yellow (34%)

Blue (71%)

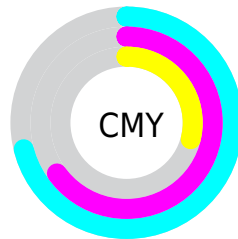


Cyan (59%)

Magenta (51%)

Yellow (0%)

Black (29%)



Cyan (71%)

Magenta (65%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4756, 11.6912, 44.6737 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 14.4756, 11.6912, 44.6737 by changing the saturation by 10% instead.

■ 14.4756, 11.6912,
44.6737

■ 14.4756, 11.6912,
44.6737

213.6217,
202.3501, 381.5719

■ 8.5361, 6.5338,
30.8594

■ 33.5098, 28.9314,
83.5438

■ 4.4945, 3.1723,
20.2343

■ 47.3353, 41.7830,
109.4367

■ 1.9855, 1.2223,
12.3797

■ 64.5200, 57.9681,
140.1929

■ 0.6258, 0.0798,
6.8771

■ 85.4295, 77.8711,
176.2309

■ 0.0000, 0.0000,
3.3081

■ 110.4291,
101.8764, 217.9692

■ 0.0000, 0.0000,
1.2540

139.8841,

■ 0.0000, 0.0000,

130.3684, 265.8265

0.0237

174.1598,
163.7315, 320.2212

■ 0.0000, 0.0000,
0.0000

■ 14.4756, 11.6912,
44.6737

■ 14.4756, 11.6912,
44.6737

■ 12.1655, 8.8104,
44.2397

■ 17.4511, 15.3156,
45.2167

■ 10.4668, 6.6195,
43.9063

■ 21.1372, 19.7299,
45.8745

■ 9.3197, 5.0593,
43.6656

■ 25.5766, 24.9779,
46.6535

■ 8.6223, 4.0446,
43.5065

■ 30.8084, 31.0996,
47.5593

■ 8.5908, 4.0003,
43.4996

■ 36.8689, 38.1327,
48.5974

■ 43.7921, 46.1126,
49.7728

■ 51.6102, 55.0727,
51.0902

■ 60.3537, 65.0448,
52.5542

■ 70.0516, 76.0593,
54.1691

Harmonies

Analogous

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



10.3269, 11.6912, 48.8133



14.4756, 11.6912, 44.6737



18.4312, 11.6912, 30.2775

Triad

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



14.4756, 11.6912, 44.6737



16.2020, 11.6912, 2.0120



5.1508, 11.6912, 10.5620

Complementary

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



14.4756, 11.6912, 44.6737



33.4814, 37.0967, 11.7000

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.



6.0437, 11.6912, 3.7460



14.4756, 11.6912, 44.6737



11.9362, 11.6912, 1.0463

Square

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



14.4756, 11.6912, 44.6737



19.5816, 11.6912, 5.8034



8.3147, 11.6912, 1.4109



5.5233, 11.6912, 23.7091

Rectangle

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



14.4756, 11.6912, 44.6737



20.1016, 11.6912, 19.7447



8.3147, 11.6912, 1.4109



5.3046, 11.6912, 7.6109

Sweetspot

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



14.4761, 11.6916, 44.6740



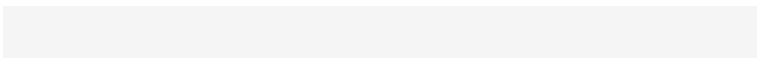
57.0307, 57.7511, 86.4358



25.7659, 36.7380, 40.8320



11.6940, 11.7451, 18.5729



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.4761, 11.6916, 44.6740



21.0974, 14.7522, 80.0301



17.1082, 11.4053, 44.4800



8.1349, 8.4159, 10.7020



6.0261, 2.8527, 30.3700



0.2197, 0.1499, 0.9656

Inverse Universe

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



22.9669, 15.1738, 10.9510



38.1029, 22.4944, 12.3168



28.7745, 38.9236, 12.3007



8.5433, 8.5240, 9.0933



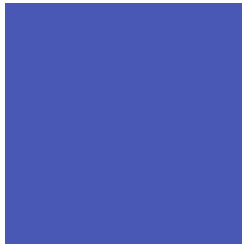
13.2764, 6.8281, 1.3494



0.4329, 0.2209, 0.1224

Previews

White Background



This preview shows how the XYZ color 14.4756, 11.6912, 44.6737 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 14.4756, 11.6912, 44.6737 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 14.4756, 11.6912, 44.6737

Background



This preview shows how black text looks on a background with the XYZ color 14.4756, 11.6912, 44.6737.



This preview shows how white text looks on a background with the XYZ color 14.4756, 11.6912,

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

14.4756, 11.6912, 44.6737

Protanopia

13.6262, 11.8237, 47.4630

Deuteranopia

11.8141, 11.7139, 40.6681



Tritanopia

8.9272, 11.6065, 17.3925

Trichromacy



Original Color

14.4756, 11.6912, 44.6737

Protanomaly

13.7565, 11.6580, 46.3249

Deuteranomaly

12.1926, 11.3336, 42.1024

Tritanomaly

10.4044, 11.3258, 25.3046

Monochromacy



Original Color

14.4756, 11.6912, 44.6737

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3666, 11.1134, 20.9481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4756, 11.6912, 44.6737 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(73, 88, 180)` looks like.

```
.text, #text, p{  
    color:rgb(73, 88, 180)  
}
```

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(73, 88, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 88, 180) }
```

Border

The CSS property to change the border of an element to XYZ 14.4756, 11.6912, 44.6737 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(73, 88, 180) }
```


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

```
.border{ border-color:rgb(73, 88, 180) }
```

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

Here you see how a box with a 4 pixel rgb(73, 88, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 88, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 88, 180);  
box-shadow:4px 4px 4px 4px rgb(73, 88,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4756, 11.6912, 44.6737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 88, 180) }
```

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

```
.background{ background-color: rgb(73, 88,  
180) }
```

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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