

Converting Colors

XYZ(14.5224, 14.5515, 31.6187)

Have a look what the booklet for
XYZ(14.5224, 14.5515, 31.6187)
contains.

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Color

**XYZ(14.4777, 14.4599,
31.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	546A98
RGB	84, 106, 152
RGB Percent	33%, 42%, 60%
CMY	0.6706, 0.5843, 0.4039
CMYK	0.45, 0.30, 0.00, 0.40
HSL	221°, 29%, 46%
HSV	221°, 45%, 60%
XYZ	14.4777, 14.4599, 31.7337
YIQ	104.6660, -27.8780, 9.6420

Conversions

Conversions Part 2

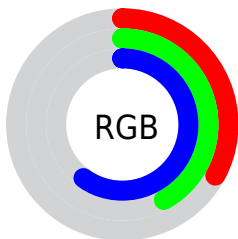
Format	Color
R _Y B	84, 101, 152
Decimal	5532312
CIE Lab	44.89, 4.59, -27.63
CIE LCh	45, 28.006, 279.435
Yxy	14.4599, 0.2386, 0.2383
Android (android.graphics.Color)	4283722392 (0xFF546A98)
YUV	104.6660, 23.3357, -18.1241
Hunter-Lab	38.0262, 1.4145, -22.8605

Details

The XYZ color **14.4777, 14.4599, 31.7337** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.5322, 23.2814, 11.6943**, and the grayscale version is **13.2819, 13.9736, 15.2173**.

A 20% lighter version of the original color is **33.5141, 33.8885, 63.1673**, and **4.5086, 4.3746, 12.9187** is the 20% darker color. If you saturate the color by 10%, you get **12.2652, 11.8397, 31.3448**, and if you desaturate by 10%, it is **17.1136, 17.4876, 32.1794**.

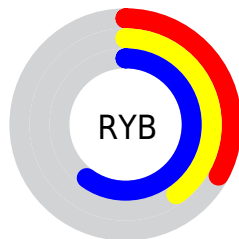
Distribution



Red (33%)

Green (42%)

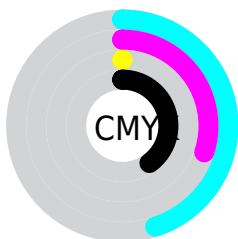
Blue (60%)



Red (33%)

Yellow (40%)

Blue (60%)

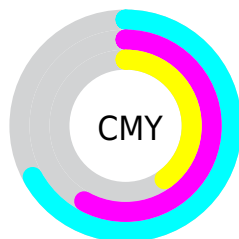


Cyan (45%)

Magenta (30%)

Yellow (0%)

Black (40%)



Cyan (67%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4777, 14.4599, 31.7337 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 14.4777, 14.4599, 31.7337 by changing the saturation by 10% instead.

■ 14.4777, 14.4599,
31.7337

■ 14.4777, 14.4599,
31.7337

213.6344,
220.0734, 324.3596

■ 8.5376, 8.4412,
20.8950

■ 33.5135, 33.9029,
63.4864

■ 4.4955, 4.3786,
12.8568

■ 47.3399, 48.0959,
85.2376

■ 1.9861, 1.8875,
7.2005

■ 64.5257, 65.7826,
111.4633

■ 0.6261, 0.5408,
3.5074

■ 85.4364, 87.3472,
142.5822

■ 0.0000, 0.0000,
1.3592

■ 110.4372,
113.1742, 179.0127

■ 0.0000, 0.0000,
0.1096

139.8936,

■ 0.0000, 0.0000,

143.6480, 221.1734

0.0000

174.1709,
179.1529, 269.4829

■ 14.4777, 14.4599,
31.7337

■ 14.4777, 14.4599,
31.7337

■ 12.2652, 11.8397,
31.3448

■ 17.1136, 17.4876,
32.1794

■ 10.4506, 9.6064,
31.0094

■ 20.1931, 20.9386,
32.6833

■ 9.0084, 7.7399,
30.7251

■ 23.7370, 24.8301,
33.2476

■ 7.9085, 6.2175,
30.4893

■ 27.7642, 29.1774,
33.8745

■ 7.1145, 5.0122,
30.2985

■ 32.2926, 33.9953,
34.5657

■ 6.7732, 4.4784,
30.2134

■ 37.3392, 39.2980,
35.3233

■ 42.9200, 45.0988,
36.1488

■ 49.0504, 51.4106,
37.0440

■ 55.7453, 58.2458,
38.0105

Harmonies

Analogous

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



12.2553, 14.4599, 30.7351



14.4777, 14.4599, 31.7337



16.7323, 14.4599, 27.6200

Triad

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



14.4777, 14.4599, 31.7337



17.4298, 14.4599, 9.0198



10.0220, 14.4599, 11.7198

Complementary

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



14.4777, 14.4599, 31.7337



22.5322, 23.2814, 11.6943

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.



11.1340, 14.4599, 7.8795



14.4777, 14.4599, 31.7337



15.3479, 14.4599, 6.6478

Square

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



14.4777, 14.4599, 31.7337



18.5571, 14.4599, 13.7676



13.0349, 14.4599, 6.2981



9.8441, 14.4599, 17.9018

Rectangle

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



14.4777, 14.4599, 31.7337



17.8911, 14.4599, 23.0609



13.0349, 14.4599, 6.2981



10.2925, 14.4599, 10.1665

Sweetspot

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



14.4782, 14.4604, 31.7340



42.8967, 44.9130, 58.8418



18.8695, 25.9355, 24.8973



9.4349, 9.8656, 13.3245



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.4782, 14.4604, 31.7340



21.5375, 20.7634, 55.3063



13.5924, 11.0591, 31.1242



6.0395, 6.3364, 7.8337



5.7048, 3.8063, 25.3417



0.1158, 0.1180, 0.3890

Inverse Universe

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



18.7212, 14.0572, 15.3628



30.2171, 20.6204, 21.6638



23.7568, 28.7304, 12.6816



6.2871, 6.2540, 6.8918



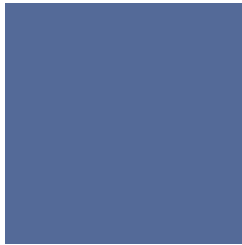
11.3383, 5.7895, 3.0404



0.1849, 0.0927, 0.1266

Previews

White Background



This preview shows how the XYZ color 14.4777, 14.4599, 31.7337 looks on a white background.

Color Contrast Check

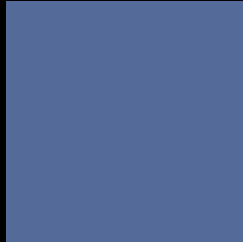
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4777, 14.4599, 31.7337 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

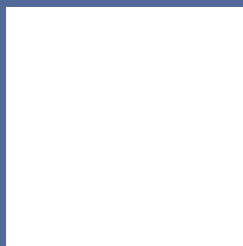
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.4777, 14.4599, 31.7337

Background



This preview shows how black text looks on a background with the XYZ color 14.4777, 14.4599, 31.7337.



This preview shows how white text looks on a background with the XYZ color 14.4777, 14.4599,

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

14.4777, 14.4599, 31.7337

Protanopia

14.8506, 14.3591, 31.2670

Deuteranopia

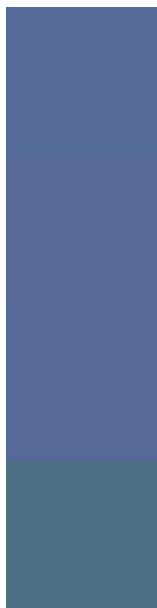
14.7436, 14.4449, 31.7168



Tritanopia

12.1470, 14.4647, 20.2409

Trichromacy



Original Color

14.4777, 14.4599, 31.7337

Protanomaly

14.6620, 14.4122, 31.2872

Deuteranomaly

14.6496, 14.3964, 31.7124

Tritanomaly

12.8827, 14.4375, 23.9375

Monochromacy



Original Color

14.4777, 14.4599, 31.7337

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.4942, 14.0497, 20.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4777, 14.4599, 31.7337 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(84, 106, 152)` looks like.

```
.text, #text, p{  
    color:rgb(84, 106, 152)  
}
```

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(84, 106, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 106, 152) }
```

Border

The CSS property to change the border of an element to XYZ 14.4777, 14.4599, 31.7337 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(84, 106, 152) }
```


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

```
.border{ border-color:rgb(84, 106, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 106, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 106, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 106, 152);  
box-shadow:4px 4px 4px 4px rgb(84, 106,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4777, 14.4599, 31.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 106, 152) }
```

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

```
.background{ background-color: rgb(84, 106,  
152) }
```

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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