

Converting Colors

XYZ(13.4724, 11.4822, 30.1038)

Have a look what the booklet for
XYZ(13.4724, 11.4822, 30.1038)
contains.

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Color

**XYZ(13.4287, 11.4765,
29.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	5D5895
RGB	93, 88, 149
RGB Percent	36%, 35%, 58%
CMY	0.6353, 0.6549, 0.4157
CMYK	0.38, 0.41, 0.00, 0.42
HSL	245°, 26%, 46%
HSV	245°, 41%, 58%
XYZ	13.4287, 11.4765, 29.9412
YIQ	96.4490, -16.6010, 20.0310

Conversions

Conversions Part 2

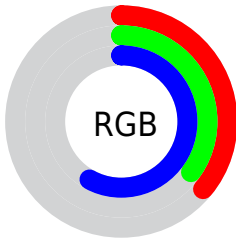
Format	Color
R_{YB}	93, 88, 149
Decimal	6117525
CIE _{Lab}	40.37, 17.44, -32.86
CIE _{LCh}	40, 37.203, 297.947
Yxy	11.4765, 0.2448, 0.2092
Android (android.graphics.Color)	4284307605 (0xFF5D5895)
YUV	96.4490, 25.9076, -3.0248
Hunter-Lab	33.8770, 11.4720, -28.6879

Details

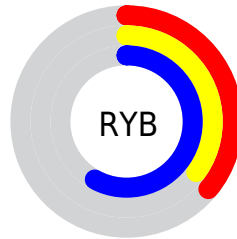
The XYZ color **13.4287, 11.4765, 29.9412** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.0107, 28.1290, 13.3968**, and the grayscale version is **11.1695, 11.7511, 12.7970**.

A 20% lighter version of the original color is **31.5450, 28.5085, 60.3400**, and **4.0233, 3.1018, 11.9419** is the 20% darker color. If you saturate the color by 10%, you get **11.0655, 8.6246, 29.5155**, and if you desaturate by 10%, it is **16.2904, 14.9569, 30.4624**.

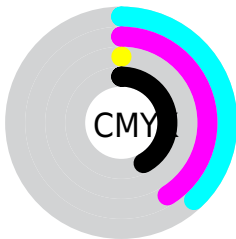
Distribution



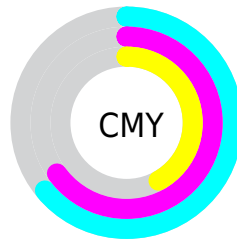
- Red (36%)
- Green (35%)
- Blue (58%)



- Red (36%)
- Yellow (35%)
- Blue (58%)



- Cyan (38%)
- Magenta (41%)
- Yellow (0%)
- Black (42%)



- Cyan (64%)
- Magenta (65%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4287, 11.4765, 29.9412 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 13.4287, 11.4765, 29.9412 by changing the saturation by 10% instead.

■ 13.4287, 11.4765,
29.9412

■ 13.4287, 11.4765,
29.9412

207.2297,
200.9081, 315.8290

■ 7.8034, 6.3883,
19.5423

■ 31.6666, 28.5380,
60.6291

■ 4.0202, 3.0826,
11.8820

■ 45.0100, 41.2801,
81.7551

■ 1.7136, 1.1750,
6.5418

■ 61.6569, 57.3422,
107.2940

■ 0.4647, 0.0411,
3.1032

■ 81.9725, 77.1089,
137.6642

■ 0.0000, 0.0000,
1.1476

■ 106.3222,
100.9644, 173.2842

■ 0.0000, 0.0000,
0.0000

135.0714,

129.2932, 214.5727

168.5855,
162.4796, 261.9481

■ 13.4287, 11.4765,
29.9412

■ 13.4287, 11.4765,
29.9412

■ 11.0655, 8.6246,
29.5155

■ 16.2904, 14.9569,
30.4624

■ 9.1710, 6.3624,
29.1787

■ 19.6756, 19.0990,
31.0835

■ 7.7142, 4.6489,
28.9247

■ 23.6092, 23.9349,
31.8096

■ 6.6597, 3.4372,
28.7464

■ 28.1139, 29.4946,
32.6453

■ 5.9666, 2.6725,
28.6354

■ 33.2115, 35.8060,
33.5948

■ 5.5795, 2.2497,
28.5742

■ 38.9223, 42.8958,
34.6623

■ 45.2658, 50.7892,
35.8515

■ 52.2606, 59.5103,
37.1662

■ 59.9245, 69.0824,
38.6099

Harmonies

Analogous

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



10.7295, 11.4765, 33.0210



13.4287, 11.4765, 29.9412



15.7295, 11.4765, 21.7630

Triad

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



13.4287, 11.4765, 29.9412



13.7890, 11.4765, 3.8530



6.6280, 11.4765, 11.9889

Complementary

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



13.4287, 11.4765, 29.9412



24.0107, 28.1290, 13.3968

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.



7.1887, 11.4765, 6.3229



13.4287, 11.4765, 29.9412



11.0886, 11.4765, 2.9419

Square

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



13.4287, 11.4765, 29.9412



15.9598, 11.4765, 6.9053



8.7244, 11.4765, 3.6231



7.0536, 11.4765, 20.4993

Rectangle

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



13.4287, 11.4765, 29.9412



16.5783, 11.4765, 15.7383



8.7244, 11.4765, 3.6231



6.7052, 11.4765, 9.7326

Sweetspot

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



13.4291, 11.4769, 29.9415



41.3044, 41.6616, 56.7858



19.5648, 24.4753, 32.1270



8.9681, 9.0044, 12.5502



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.4291, 11.4769, 29.9415



20.1798, 15.8815, 52.9231



17.0214, 13.3288, 30.1096



5.5410, 5.6543, 7.2691



4.7076, 1.8994, 24.0495



0.0663, 0.0277, 0.2948

Inverse Universe

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



20.9184, 15.3829, 28.2523



35.5079, 23.8817, 49.2011



19.5051, 25.8063, 13.1860



6.0150, 5.9011, 7.1853



14.2242, 6.8947, 20.4594



0.1790, 0.0863, 0.2761

Previews

White Background



This preview shows how the XYZ color 13.4287, 11.4765, 29.9412 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 13.4287, 11.4765, 29.9412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

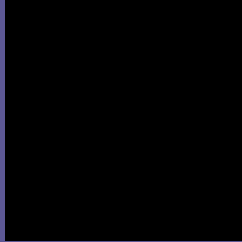
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4287, 11.4765, 29.9412

Background



This preview shows how black text looks on a background with the XYZ color 13.4287, 11.4765, 29.9412.

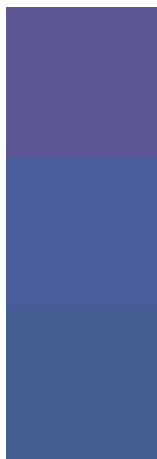


This preview shows how white text looks on a background with the XYZ color 13.4287, 11.4765,

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

13.4287, 11.4765, 29.9412

Protanopia

12.4196, 11.5395, 32.1446

Deuteranopia

11.7426, 11.5199, 29.2084



Tritanopia

10.3918, 11.4083, 15.0189

Trichromacy



Original Color

13.4287, 11.4765, 29.9412

Protanomaly

12.7168, 11.4546, 31.2465

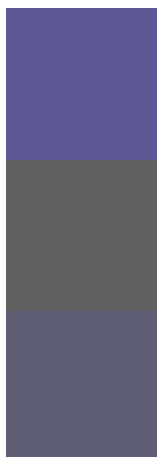
Deuteranomaly

12.2330, 11.3702, 29.5669

Tritanomaly

11.3844, 11.4121, 19.6919

Monochromacy



Original Color

13.4287, 11.4765, 29.9412

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7282, 11.4994, 17.8211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4287, 11.4765, 29.9412 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(93, 88, 149) looks like.

```
.text, #text, p{  
    color:rgb(93, 88, 149)  
}
```

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(93, 88, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 88, 149) }
```

Border

The CSS property to change the border of an element to XYZ 13.4287, 11.4765, 29.9412 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(93, 88, 149) }
```


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

```
.border{ border-color:rgb(93, 88, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 88, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 88, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 88, 149);  
box-shadow:4px 4px 4px 4px rgb(93, 88,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4287, 11.4765, 29.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 88, 149) }
```

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

```
.background{ background-color: rgb(93, 88,  
149) }
```

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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