

Converting Colors

XYZ(13.1165, 14.9606, 28.8934)

Have a look what the booklet for
XYZ(13.1165, 14.9606, 28.8934)
contains.

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Color

**XYZ(13.1303, 14.9446,
28.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	407191
RGB	64, 113, 145
RGB Percent	25%, 44%, 57%
CMY	0.7490, 0.5569, 0.4314
CMYK	0.56, 0.22, 0.00, 0.43
HSL	204°, 39%, 41%
HSV	204°, 56%, 57%
XYZ	13.1303, 14.9446, 28.9806
YIQ	101.9970, -39.4760, -0.4360

Conversions

Conversions Part 2

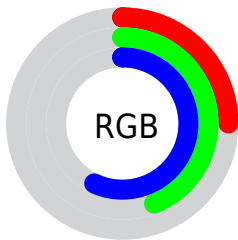
Format	Color
R _{YB}	64, 95, 145
Decimal	4223377
CIE _{Lab}	45.56, -6.86, -22.52
CIE _{LCh}	46, 23.539, 253.046
Yxy	14.9446, 0.2301, 0.2619
Android (android.graphics.Color)	4282413457 (0xFF407191)
YUV	101.9970, 21.2005, -33.3234
Hunter-Lab	38.6582, -7.0243, -17.3867

Details

The XYZ color **13.1303, 14.9446, 28.9806** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.7857, 14.7561, 6.8145**, and the grayscale version is **12.5827, 13.2380, 14.4162**.

A 20% lighter version of the original color is **31.2352, 34.8853, 59.1201**, and **3.9107, 4.5887, 11.2693** is the 20% darker color. If you saturate the color by 10%, you get **11.6882, 13.2824, 28.7361**, and if you desaturate by 10%, it is **14.8590, 16.8150, 29.2508**.

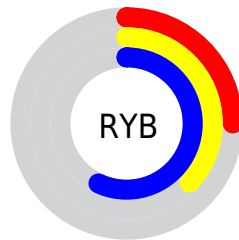
Distribution



Red (25%)

Green (44%)

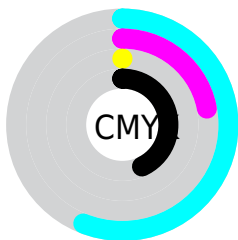
Blue (57%)



Red (25%)

Yellow (37%)

Blue (57%)

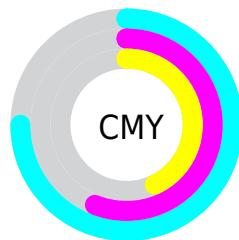


Cyan (56%)

Magenta (22%)

Yellow (0%)

Black (43%)



Cyan (75%)

Magenta (56%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1303, 14.9446, 28.9806 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 13.1303, 14.9446, 28.9806 by changing the saturation by 10% instead.

■ 13.1303, 14.9446,
28.9806

■ 13.1303, 14.9446,
28.9806

205.3718,
223.0307, 311.1815

■ 7.5960, 8.7805,
18.8207

■ 31.1370, 34.7560,
59.0881

■ 3.8871, 4.5983,
11.3653

■ 44.3401, 49.1720,
79.8727

■ 1.6385, 2.0136,
6.1958

■ 60.8301, 67.1075,
105.0360

■ 0.4173, 0.6153,
2.8938

■ 80.9724, 88.9469,
134.9966

■ 0.0000, 0.0000,
1.0407

■ 105.1324,
115.0745, 170.1728

■ 0.0000, 0.0000,
0.0000

133.6754,

145.8747, 210.9834

166.9667,
181.7320, 257.8467

■ 13.1303, 14.9446,
28.9806

■ 13.1303, 14.9446,
28.9806

■ 11.6882, 13.2824,
28.7361

■ 14.8590, 16.8150,
29.2508

■ 10.5109, 11.8153,
28.5149

■ 16.8907, 18.9022,
29.5466

■ 9.5759, 10.5308,
28.3163

■ 19.2426, 21.2165,
29.8693

■ 8.8497, 9.4103,
28.1383

■ 21.9297, 23.7667,
30.2199

■ 8.5774, 8.9774,
28.0691

■ 24.9663, 26.5611,
30.5993

■ 28.3658, 29.6074,
31.0081

■ 32.1407, 32.9133,
31.4472

■ 36.3029, 36.4856,
31.9174

■ 40.8640, 40.3314,
32.4193

Harmonies

Analogous

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



11.6169, 14.9446, 24.8375



13.1303, 14.9446, 28.9806



15.0749, 14.9446, 29.2623

Triad

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



13.1303, 14.9446, 28.9806



18.2146, 14.9446, 13.9485



11.7771, 14.9446, 9.5731

Complementary

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



13.1303, 14.9446, 28.9806



16.7857, 14.7561, 6.8145

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.



13.3680, 14.9446, 7.8396



13.1303, 14.9446, 28.9806



17.1501, 14.9446, 9.9443

Square

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



13.1303, 14.9446, 28.9806



18.1360, 14.9446, 19.6378



15.3355, 14.9446, 7.9576



10.8865, 14.9446, 13.3148

Rectangle

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



13.1303, 14.9446, 28.9806



16.3672, 14.9446, 27.1391



15.3355, 14.9446, 7.9576



12.2410, 14.9446, 8.7795

Sweetspot

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



13.1308, 14.9451, 28.9810



38.5142, 41.8524, 54.0220



14.3080, 22.1683, 14.3637



8.3752, 9.1292, 11.9929



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.1308, 14.9451, 28.9810



20.3533, 23.0878, 51.3572



9.6379, 7.9593, 27.8167



5.3838, 5.7635, 6.8575



7.3828, 7.7516, 24.0842



0.0921, 0.1172, 0.2374

Inverse Universe

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



16.4915, 10.8793, 16.8541



27.2915, 16.1122, 26.0031



21.3437, 23.8721, 8.3338



5.5372, 5.4754, 6.3270



11.5296, 5.7689, 8.4402



0.1211, 0.0595, 0.1380

Previews

White Background



This preview shows how the XYZ color 13.1303, 14.9446, 28.9806 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 13.1303, 14.9446, 28.9806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

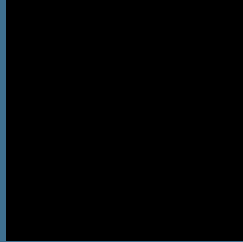
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

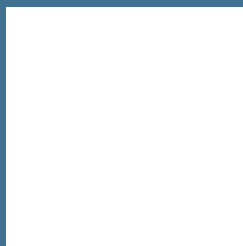
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1303, 14.9446, 28.9806

Background



This preview shows how black text looks on a background with the XYZ color 13.1303, 14.9446, 28.9806.

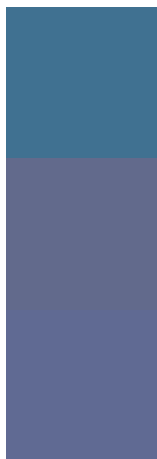


This preview shows how white text looks on a background with the XYZ color 13.1303, 14.9446,

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

13.1303, 14.9446, 28.9806

Protanopia

14.9247, 14.7982, 26.8807

Deuteranopia

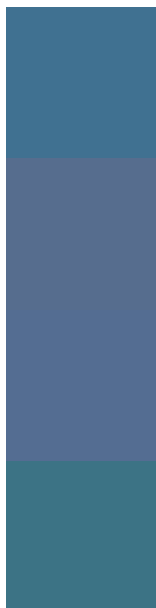
15.2444, 14.9014, 29.6766



Tritanopia

11.6986, 14.8670, 21.9917

Trichromacy



Original Color

13.1303, 14.9446, 28.9806

Protanomaly

14.1889, 14.8687, 27.7133

Deuteranomaly

14.3131, 14.8974, 29.3152

Tritanomaly

12.2279, 14.9156, 24.4248

Monochromacy



Original Color

13.1303, 14.9446, 28.9806

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4486, 13.6908, 19.1260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1303, 14.9446, 28.9806 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(64, 113, 145) looks like.

```
.text, #text, p{  
    color:rgb(64, 113, 145)  
}
```

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(64, 113, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 113, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.1303, 14.9446, 28.9806 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(64, 113, 145) }
```


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

```
.border{ border-color:rgb(64, 113, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 113, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 113, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 113, 145);  
box-shadow:4px 4px 4px 4px rgb(64, 113,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1303, 14.9446, 28.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 113, 145) }
```

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

```
.background{ background-color: rgb(64, 113,  
145) }
```

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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