

Converting Colors

XYZ(13.0886, 15.0420, 19.0325)

Have a look what the booklet for
XYZ(13.0886, 15.0420, 19.0325)
contains.

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Color

**XYZ(13.0296, 14.9474,
19.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	587075
RGB	88, 112, 117
RGB Percent	35%, 44%, 46%
CMY	0.6549, 0.5608, 0.5412
CMYK	0.25, 0.04, 0.00, 0.54
HSL	190°, 14%, 40%
HSV	190°, 25%, 46%
XYZ	13.0296, 14.9474, 19.0280
YIQ	105.3940, -15.9090, -3.5330

Conversions

Conversions Part 2

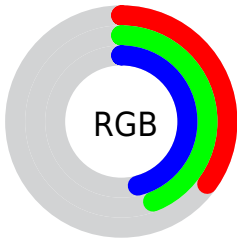
Format	Color
R_{YB}	88, 101, 117
Decimal	5795957
CIE Lab	45.56, -7.54, -5.68
CIE LCh	46, 9.440, 216.958
Yxy	14.9474, 0.2772, 0.3180
Android (android.graphics.Color)	4283986037 (0xFF587075)
YUV	105.3940, 5.7218, -15.2545
Hunter-Lab	38.6619, -7.5012, -2.1171

Details

The XYZ color **13.0296, 14.9474, 19.0280** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0122, 12.3154, 10.9243**, and the grayscale version is **13.5226, 14.2268, 15.4930**.

A 20% lighter version of the original color is **31.0844, 34.9045, 42.6350**, and **3.8220, 4.5679, 6.3105** is the 20% darker color. If you saturate the color by 10%, you get **11.7898, 13.9820, 18.9072**, and if you desaturate by 10%, it is **14.4530, 16.0156, 19.1594**.

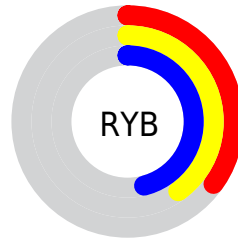
Distribution



Red (35%)

Green (44%)

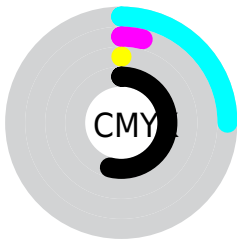
Blue (46%)



Red (35%)

Yellow (40%)

Blue (46%)

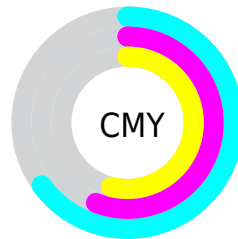


Cyan (25%)

Magenta (4%)

Yellow (0%)

Black (54%)



Cyan (65%)

Magenta (56%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0296, 14.9474, 19.0280 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 13.0296, 14.9474, 19.0280 by changing the saturation by 10% instead.

■ 13.0296, 14.9474,
19.0280

■ 13.0296, 14.9474,
19.0280

204.7410,
223.0476, 259.0312

■ 7.5261, 8.7825,
11.5135

■ 30.9578, 34.7609,
42.6187

■ 3.8425, 4.5996,
6.2948

■ 44.1132, 49.1782,
59.5320

■ 1.6134, 2.0143,
2.9535

■ 60.5499, 67.1152,
80.4154

■ 0.4011, 0.6158,
1.0709

■ 80.6334, 88.9561,
105.6873

■ 0.0000, 0.0000,
0.0000

■ 104.7288,
115.0854, 135.7662

133.2017,

145.8875, 171.0709

166.4173,
181.7468, 212.0197

■ 13.0296, 14.9474,
19.0280

■ 13.0296, 14.9474,
19.0280

■ 11.7898, 13.9820,
18.9072

■ 14.4530, 16.0156,
19.1594

■ 10.7239, 13.1132,
18.7957

■ 16.0667, 17.1890,
19.3009

■ 9.8231, 12.3368,
18.6933

■ 17.8786, 18.4721,
19.4530

■ 9.0772, 11.6475,
18.5996

■ 19.8956, 19.8685,
19.6162

■ 8.4753, 11.0397,
18.5140

■ 22.1246, 21.3817,
19.7908

■ 8.0044, 10.5066,
18.4359

■ 24.5719, 23.0151,
19.9771

■ 7.6442, 10.0376,
18.3644

■ 27.2436, 24.7718,
20.1754

■ 7.4702, 9.8030,
18.3283

■ 30.1456, 26.6550,
20.3859

■ 33.2835, 28.6677,
20.6090

Harmonies

Analogous

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



12.7545, 14.9474, 16.8069



13.0296, 14.9474, 19.0280



13.6218, 14.9474, 20.6070

Triad

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



13.0296, 14.9474, 19.0280



15.6485, 14.9474, 18.0346



14.0242, 14.9474, 12.3342

Complementary

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



13.0296, 14.9474, 19.0280



13.0122, 12.3154, 10.9243

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.



14.8088, 14.9474, 12.5974



13.0296, 14.9474, 19.0280



15.7659, 14.9474, 15.7548

Square

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



13.0296, 14.9474, 19.0280



15.1383, 14.9474, 19.9975



15.4534, 14.9474, 13.8016



13.3148, 14.9474, 13.0461

Rectangle

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



13.0296, 14.9474, 19.0280



14.1267, 14.9474, 21.0079



15.4534, 14.9474, 13.8016



14.2877, 14.9474, 12.3127

Sweetspot

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



13.0300, 14.9480, 19.0283



28.0463, 30.2592, 34.4994



12.3546, 15.5850, 12.6747



6.4216, 6.9378, 7.9296



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.0300, 14.9480, 19.0283



21.9641, 25.7097, 33.9418



11.5723, 12.0326, 18.5424



3.7322, 4.0531, 4.6758



8.2207, 10.7812, 20.1903



39.5100, 51.4365, 98.2061

Inverse Universe

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



13.7509, 11.9317, 16.9082



23.5226, 19.3556, 29.3200



14.3904, 15.0719, 11.3837



3.8008, 3.7476, 4.4780



10.4466, 5.1123, 12.8258



50.6295, 24.8019, 61.0378

Previews

White Background



This preview shows how the XYZ color 13.0296, 14.9474, 19.0280 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 13.0296, 14.9474, 19.0280 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

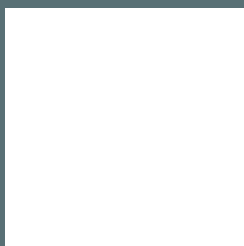
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0296, 14.9474, 19.0280

Background



This preview shows how black text looks on a background with the XYZ color 13.0296, 14.9474, 19.0280.

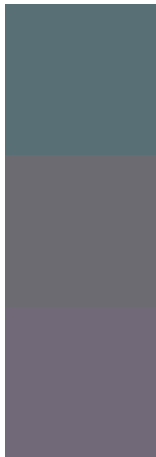


This preview shows how white text looks on a background with the XYZ color 13.0296, 14.9474,

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

13.0296, 14.9474, 19.0280

Protanopia

14.4793, 14.9184, 18.0360

Deuteranopia

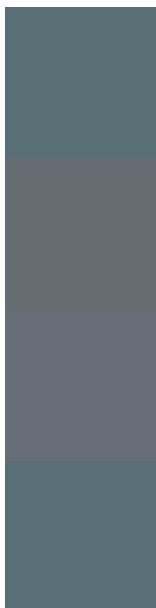
15.1914, 14.9458, 19.5369



Tritanopia

13.1944, 14.8488, 19.9400

Trichromacy



Original Color

13.0296, 14.9474, 19.0280

Protanomaly

13.9300, 14.9418, 18.3695

Deuteranomaly

14.3415, 14.9762, 19.2744

Tritanomaly

13.1340, 14.8246, 19.6220

Monochromacy



Original Color

13.0296, 14.9474, 19.0280

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2685, 14.4819, 16.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0296, 14.9474, 19.0280 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(88, 112, 117) looks like.

```
.text, #text, p{  
    color:rgb(88, 112, 117)  
}
```

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(88, 112, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 112, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.0296, 14.9474, 19.0280 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(88, 112, 117) }
```


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

```
.border{ border-color:rgb(88, 112, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 112, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 112, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 112, 117);  
box-shadow:4px 4px 4px 4px rgb(88, 112,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0296, 14.9474, 19.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 112, 117) }
```

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

```
.background{ background-color: rgb(88, 112,  
117) }
```

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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