

Converting Colors

XYZ(13.1045, 16.8496, 21.6288)

Have a look what the booklet for
XYZ(13.1045, 16.8496, 21.6288)
contains.

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Color

**XYZ(13.1049, 16.8501,
21.6305)**

Conversions

Conversions Part 1

Format	Color
Hex	447B7C
RGB	68, 123, 124
RGB Percent	27%, 48%, 49%
CMY	0.7333, 0.5176, 0.5137
CMYK	0.45, 0.01, 0.00, 0.51
HSL	181°, 29%, 38%
HSV	181°, 45%, 49%
XYZ	13.1049, 16.8501, 21.6305
YIQ	106.6690, -33.1010, -11.3490

Conversions

Conversions Part 2

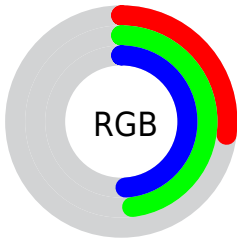
Format	Color
R _{YB}	68, 96, 124
Decimal	4488060
CIE Lab	48.07, -17.86, -6.23
CIE LCh	48, 18.916, 199.236
Yxy	16.8501, 0.2540, 0.3266
Android (android.graphics.Color)	4282678140 (0xFF447B7C)
YUV	106.6690, 8.5442, -33.9127
Hunter-Lab	41.0489, -14.8492, -2.5084

Details

The XYZ color **13.1049, 16.8501, 21.6305** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4839, 8.9588, 6.5930**, and the grayscale version is **13.8676, 14.5898, 15.8883**.

A 20% lighter version of the original color is **31.1075, 38.1783, 46.8039**, and **3.8704, 5.4837, 7.5111** is the 20% darker color. If you saturate the color by 10%, you get **12.3027, 16.3963, 21.5855**, and if you desaturate by 10%, it is **14.0911, 17.3997, 21.6849**.

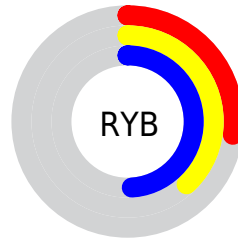
Distribution



Red (27%)

Green (48%)

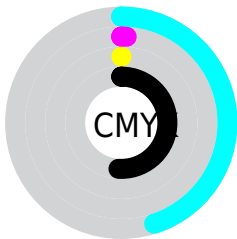
Blue (49%)



Red (27%)

Yellow (38%)

Blue (49%)

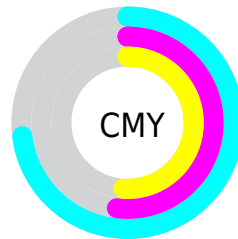


Cyan (45%)

Magenta (1%)

Yellow (0%)

Black (51%)



Cyan (73%)

Magenta (52%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1049, 16.8501, 21.6305 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 13.1049, 16.8501, 21.6305 by changing the saturation by 10% instead.

■ 13.1049, 16.8501,
21.6305

■ 13.1049, 16.8501,
21.6305

205.2129,
234.3071, 273.5008

■ 7.5783, 10.1277,
13.3899

■ 31.0918, 38.0679,
47.0289

■ 3.8759, 5.4837,
7.5637

■ 44.2829, 53.3320,
65.0237

■ 1.6321, 2.5338,
3.7333

■ 60.7595, 72.2121,
87.1071

■ 0.4132, 0.8935,
1.4802

■ 80.8870, 95.0927,
113.6976

■ 0.0000, 0.0000,
0.2031

■ 105.0307,
122.3581, 145.2136

■ 0.0000, 0.0000,
0.0000

133.5560,

154.3927, 182.0738

166.8283,
191.5809, 224.6967

■ 13.1049, 16.8501,
21.6305

■ 13.1049, 16.8501,
21.6305

■ 12.3027, 16.3963,
21.5855

■ 14.0911, 17.3997,
21.6849

■ 11.6714, 16.0302,
21.5481

■ 15.2705, 18.0486,
21.7480

■ 11.1985, 15.7459,
21.5181

■ 16.6534, 18.8024,
21.8206

■ 10.8692, 15.5358,
21.4949

■ 18.2489, 19.6660,
21.9032

■ 10.6601, 15.3877,
21.4774

■ 20.0656, 20.6436,
21.9961

■ 10.5719, 15.3227,
21.4695

■ 22.1116, 21.7396,
22.0999

■ 24.3946, 22.9579,
22.2147

■ 26.9220, 24.3022,
22.3410

■ 29.7008, 25.7762,
22.4790

Harmonies

Analogous

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



12.9951, 16.8501, 16.6423



13.1049, 16.8501, 21.6305



13.9614, 16.8501, 26.4513

Triad

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



13.1049, 16.8501, 21.6305



18.6396, 16.8501, 25.2147



16.6381, 16.8501, 10.5580

Complementary

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



13.1049, 16.8501, 21.6305



11.4839, 8.9588, 6.5930

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.



18.2619, 16.8501, 12.0941



13.1049, 16.8501, 21.6305



19.4710, 16.8501, 20.1641

Square

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



13.1049, 16.8501, 21.6305



17.1244, 16.8501, 28.7621



19.3280, 16.8501, 15.4136



14.9556, 16.8501, 10.8092

Rectangle

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



13.1049, 16.8501, 21.6305



14.8769, 16.8501, 28.6462



19.3280, 16.8501, 15.4136



17.2108, 16.8501, 10.8698

Sweetspot

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



13.1054, 16.8508, 21.6309



29.5238, 33.2057, 38.4099



10.6639, 16.0734, 8.1601



6.8415, 7.7597, 9.0403



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.1054, 16.8508, 21.6309



21.6343, 28.8444, 37.9839



10.1205, 10.8809, 20.6359



4.1012, 4.5008, 5.0958



10.7470, 15.5764, 21.8254



51.1936, 74.1598, 104.0859

Inverse Universe

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



13.9548, 9.8497, 19.9053



23.3365, 14.9316, 34.4999



13.6244, 13.2398, 7.3065



4.1516, 4.0763, 4.9957



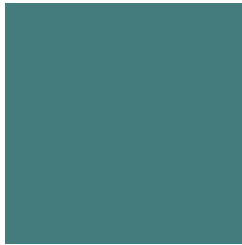
12.0079, 5.7793, 19.1304



57.2433, 27.5537, 91.0661

Previews

White Background



This preview shows how the XYZ color 13.1049, 16.8501, 21.6305 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 13.1049, 16.8501, 21.6305 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 13.1049, 16.8501, 21.6305

Background



This preview shows how black text looks on a background with the XYZ color 13.1049, 16.8501, 21.6305.



This preview shows how white text looks on a background with the XYZ color 13.1049, 16.8501,

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

13.1049, 16.8501, 21.6305

Protanopia

16.1146, 16.6957, 19.5128

Deuteranopia

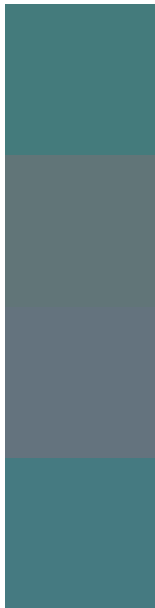
17.1230, 16.8231, 22.4234



Tritanopia

13.6502, 16.8871, 24.3699

Trichromacy



Original Color

13.1049, 16.8501, 21.6305

Protanomaly

14.6812, 16.6200, 20.2035

Deuteranomaly

15.1522, 16.4772, 22.1205

Tritanomaly

13.3762, 16.7693, 23.3007

Monochromacy



Original Color

13.1049, 16.8501, 21.6305

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.4000, 15.3297, 17.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1049, 16.8501, 21.6305 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(68, 123, 124) looks like.

```
.text, #text, p{  
    color:rgb(68, 123, 124)  
}
```

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(68, 123, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 123, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.1049, 16.8501, 21.6305 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(68, 123, 124) }
```


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

```
.border{ border-color:rgb(68, 123, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 123, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 123, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 123, 124);  
box-shadow:4px 4px 4px 4px rgb(68, 123,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1049, 16.8501, 21.6305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 123, 124) }
```

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

```
.background{ background-color: rgb(68, 123,  
124) }
```

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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