

Converting Colors

XYZ(13.4906, 18.8390, 16.5300)

Have a look what the booklet for
XYZ(13.4906, 18.8390, 16.5300)
contains.

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Color

**XYZ(13.5253, 18.9209,
16.5749)**

Conversions

Conversions Part 1

Format	Color
Hex	48846A
RGB	72, 132, 106
RGB Percent	28%, 52%, 42%
CMY	0.7176, 0.4823, 0.5843
CMYK	0.45, 0.00, 0.20, 0.48
HSL	154°, 29%, 40%
HSV	154°, 45%, 52%
XYZ	13.5253, 18.9209, 16.5749
YIQ	111.0960, -27.4140, -20.8060

Conversions

Conversions Part 2

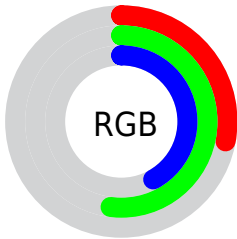
Format	Color
R_YB	72, 110, 132
Decimal	4752490
CIE Lab	50.59, -26.01, 8.03
CIE LCh	51, 27.217, 162.842
Yxy	18.9209, 0.2759, 0.3860
Android (android.graphics.Color)	4282942570 (0xFF48846A)
YUV	111.0960, -2.5123, -34.2872
Hunter-Lab	43.4982, -20.6191, 7.8564

Details

The XYZ color **13.5253, 18.9209, 16.5749** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.0384, 10.4226, 12.8279**, and the grayscale version is **15.1505, 15.9395, 17.3581**.

A 20% lighter version of the original color is **31.7469, 41.4173, 38.2194**, and **4.0753, 6.4888, 5.1753** is the 20% darker color. If you saturate the color by 10%, you get **12.3574, 18.3526, 15.0191**, and if you desaturate by 10%, it is **14.9254, 19.6077, 18.2461**.

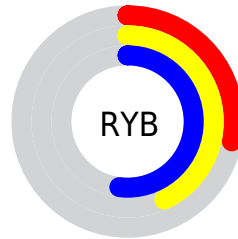
Distribution



Red (28%)

Green (52%)

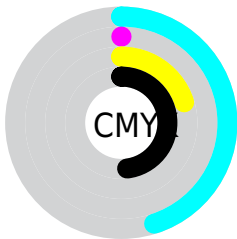
Blue (42%)



Red (28%)

Yellow (43%)

Blue (52%)

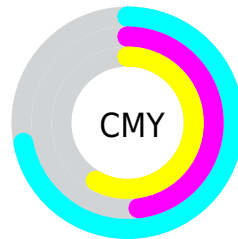


Cyan (45%)

Magenta (0%)

Yellow (20%)

Black (48%)



Cyan (72%)

Magenta (48%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5253, 18.9209, 16.5749 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 13.5253, 18.9209, 16.5749 by changing the saturation by 10% instead.

■ 13.5253, 18.9209,
16.5749

■ 13.5253, 18.9209,
16.5749

207.8276,
246.0117, 244.6710

■ 7.8707, 11.6131,
9.7731

■ 31.8377, 41.6004,
38.3740

■ 4.0635, 6.4808,
5.1452

■ 45.2262, 57.7409,
54.2084

■ 1.7381, 3.1396,
2.2725

■ 61.9235, 77.5945,
73.8908

■ 0.4799, 1.2050,
0.7157

■ 82.2948, 101.5455,
97.8397

■ 0.0000, 0.0658,
0.0000

■ 106.7055,
129.9783, 126.4736

■ 0.0000, 0.0000,
0.0000

135.5209,

163.2774, 160.2111

169.1065,
201.8270, 199.4707

■ 13.5253, 18.9209,
16.5749

■ 13.5253, 18.9209,
16.5749

■ 12.3574, 18.3526,
15.0191

■ 14.9254, 19.6077,
18.2461

■ 11.4061, 17.8931,
13.5745

■ 16.5691, 20.4171,
20.0338

■ 10.6563, 17.5354,
12.2390


■ 18.4686, 21.3561,
21.9409


■ 10.0901, 17.2701,
11.0095


■ 20.6350, 22.4303,
23.9699


■ 9.6804, 17.0835,
9.8825


■ 23.0786, 23.6449,
26.1229

 9.5148, 17.0085,
9.4021

 25.8094, 25.0050,
28.4023

 28.8366, 26.5155,
30.8101

 32.1691, 28.1807,
33.3485

 35.8155, 30.0051,
36.0195

Harmonies

Analogous

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



14.7247, 18.9209, 11.6184



13.5253, 18.9209, 16.5749



13.4430, 18.9209, 24.0326

Triad

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



13.5253, 18.9209, 16.5749



19.1449, 18.9209, 38.4414



22.0014, 18.9209, 12.1590

Complementary

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



13.5253, 18.9209, 16.5749



14.0384, 10.4226, 12.8279

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.



23.4466, 18.9209, 17.5138



13.5253, 18.9209, 16.5749



21.6914, 18.9209, 33.3191

Square

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



13.5253, 18.9209, 16.5749



16.5165, 18.9209, 38.0103



23.3279, 18.9209, 25.2328



19.5354, 18.9209, 9.5343

Rectangle

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



13.5253, 18.9209, 16.5749



14.0191, 18.9209, 29.6123



23.3279, 18.9209, 25.2328



22.6331, 18.9209, 13.6338

Sweetspot

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



13.5258, 18.9217, 16.5753



32.9425, 37.8209, 39.0443



14.5672, 19.6239, 9.1512



7.5131, 8.7280, 8.9388



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.5258, 18.9217, 16.5753



21.6236, 32.2573, 26.2511



14.6883, 18.7450, 24.6747



4.7186, 5.2457, 5.5292



9.2150, 16.4688, 9.1175



0.0356, 0.0585, 0.0509

Inverse Universe

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



14.0384, 10.4226, 12.8279



22.6541, 15.2310, 18.7622



13.2021, 10.4060, 7.4439



4.7501, 4.7197, 5.2966



9.9362, 5.0388, 4.2363



0.0380, 0.0189, 0.0334

Previews

White Background



This preview shows how the XYZ color 13.5253, 18.9209, 16.5749 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5253, 18.9209, 16.5749 looks on a black 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

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

XYZ 13.5253, 18.9209, 16.5749

Background



This preview shows how black text looks on a background with the XYZ color 13.5253, 18.9209, 16.5749.



This preview shows how white text looks on a background with the XYZ color 13.5253, 18.9209,

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

13.5253, 18.9209, 16.5749

Protanopia

17.7691, 18.8651, 14.7614

Deuteranopia

19.0515, 18.7675, 17.3702



Tritanopia

15.6149, 18.9788, 26.8850

Trichromacy



Original Color

13.5253, 18.9209, 16.5749

Protanomaly

15.6693, 18.5004, 15.3154

Deuteranomaly

16.4019, 18.4679, 17.1682

Tritanomaly

14.6767, 18.7847, 22.5909

Monochromacy



Original Color

13.5253, 18.9209, 16.5749

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2869, 16.8392, 16.9653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5253, 18.9209, 16.5749 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(72, 132, 106)` looks like.

```
.text, #text, p{  
    color:rgb(72, 132, 106)  
}
```

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(72, 132, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 132, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.5253, 18.9209, 16.5749 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(72, 132, 106) }
```


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

```
.border{ border-color:rgb(72, 132, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 132, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 132, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 132, 106);  
box-shadow:4px 4px 4px 4px rgb(72, 132,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5253, 18.9209, 16.5749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 132, 106) }
```

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

```
.background{ background-color: rgb(72, 132,  
106) }
```

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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