

Converting Colors

XYZ(13.5377, 17.7265, 4.8040)

Have a look what the booklet for
XYZ(13.5377, 17.7265, 4.8040)
contains.

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Color

**XYZ(13.5596, 17.8306,
4.8248)**

Conversions

Conversions Part 1

Format	Color
Hex	697D29
RGB	105, 125, 41
RGB Percent	41%, 49%, 16%
CMY	0.5882, 0.5098, 0.8392
CMYK	0.16, 0.00, 0.67, 0.51
HSL	74°, 51%, 33%
HSV	74°, 67%, 49%
XYZ	13.5596, 17.8306, 4.8248
YIQ	109.4440, 15.0440, -30.3640

Conversions

Conversions Part 2

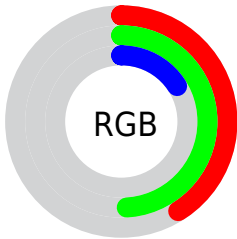
Format	Color
R_{YB}	41, 125, 61
Decimal	6913321
CIE _{Lab}	49.29, -20.16, 41.80
CIE _{LCh}	49, 46.405, 115.753
Yxy	17.8306, 0.3744, 0.4924
Android (android.graphics.Color)	4285103401 (0xFF697D29)
YUV	109.4440, -33.7429, -3.8974
Hunter-Lab	42.2263, -16.5766, 22.7839

Details

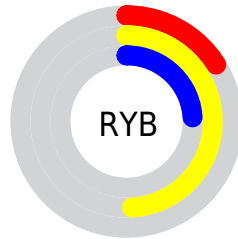
The XYZ color **13.5596, 17.8306, 4.8248** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.4197, 4.0591, 19.8482**, and the grayscale version is **14.7527, 15.5210, 16.9024**.

A 20% lighter version of the original color is **31.9093, 39.8652, 15.9105**, and **4.1600, 5.9811, 0.9352** is the 20% darker color. If you saturate the color by 10%, you get **13.0318, 17.5804, 3.8369**, and if you desaturate by 10%, it is **14.1698, 18.1164, 6.1791**.

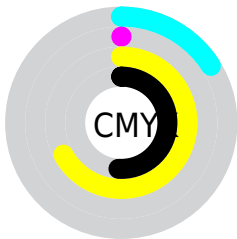
Distribution



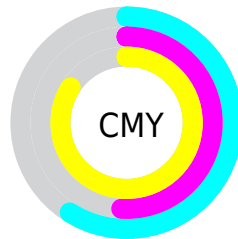
- Red (41%)
- Green (49%)
- Blue (16%)



- Red (16%)
- Yellow (49%)
- Blue (24%)



- Cyan (16%)
- Magenta (0%)
- Yellow (67%)
- Black (51%)



- Cyan (59%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5596, 17.8306, 4.8248 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 13.5596, 17.8306, 4.8248 by changing the saturation by 10% instead.

■ 13.5596, 17.8306,
4.8248

■ 13.5596, 17.8306,
4.8248

208.0395,
239.9145, 156.9939

■ 7.8946, 10.8284,
2.0879

■ 31.8984, 39.7485,
15.8713

■ 4.0788, 5.9516,
0.6086

■ 45.3029, 55.4329,
25.0179

■ 1.7468, 2.8157,
0.0000

■ 62.0180, 74.7803,
37.1383

■ 0.4853, 1.0363,
0.0000

■ 82.4090, 98.1750,
52.6508

■ 0.0000, 0.0000,
0.0000

■ 106.8413,
126.0014, 71.9741

■ 135.6803,

158.6438, 95.5267

169.2912,
196.4867, 123.7271

■ 13.5596, 17.8306,
4.8248

■ 13.5596, 17.8306,
4.8248

■ 13.0318, 17.5804,
3.8369

■ 14.1698, 18.1164,
6.1791

■ 12.5783, 17.3607,
3.1783

■ 14.8672, 18.4379,
7.9300

■ 12.1845, 17.1663,
2.7718

■ 15.6576, 18.7981,
10.1059

■ 12.0779, 17.1136,
2.6667

■ 16.5461, 19.1989,
12.7321

■ 17.5372, 19.6422,
15.8321

■ 18.6351, 20.1297,
19.4276

■ 19.8438, 20.6631,
23.5392

■ 21.1671, 21.2438,
28.1861

■ 22.6086, 21.8733,
33.3867

Harmonies

Analogous

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



17.5759, 17.8306, 3.9650



13.5596, 17.8306, 4.8248



10.9191, 17.8306, 8.7948

Triad

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



13.5596, 17.8306, 4.8248



12.6538, 17.8306, 46.7928



26.7582, 17.8306, 21.2474

Complementary

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



13.5596, 17.8306, 4.8248



6.4197, 4.0591, 19.8482

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.



24.8650, 17.8306, 36.3034



13.5596, 17.8306, 4.8248



16.3341, 17.8306, 54.5508

Square

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



13.5596, 17.8306, 4.8248



10.4625, 17.8306, 31.8267



20.8572, 17.8306, 50.0625



25.6753, 17.8306, 10.7393

Rectangle

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



13.5596, 17.8306, 4.8248



10.0512, 17.8306, 14.0848



20.8572, 17.8306, 50.0625



26.4410, 17.8306, 25.9432

Sweetspot

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



13.5600, 17.8314, 4.8252



30.7995, 34.9032, 26.4304



10.5058, 7.8156, 3.0529



6.9126, 7.8975, 5.7198



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.



13.5600, 17.8314, 4.8252



22.8524, 31.2475, 6.1238



9.8100, 15.8982, 4.6497



4.5684, 4.9695, 4.6385



12.5987, 17.8572, 2.7828



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.4197, 4.0591, 19.8482



9.1363, 4.6718, 35.1646



10.0430, 5.9269, 20.0178



4.1973, 4.2573, 5.4138



4.4095, 1.8269, 20.3702



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5596, 17.8306, 4.8248 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 13.5596, 17.8306, 4.8248 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 13.5596, 17.8306, 4.8248

Background



This preview shows how black text looks on a background with the XYZ color 13.5596, 17.8306, 4.8248.



This preview shows how white text looks on a background with the XYZ color 13.5596, 17.8306,

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

13.5596, 17.8306, 4.8248

Protanopia

16.0876, 17.6944, 4.4869

Deuteranopia

18.0316, 17.6771, 5.0464



Tritanopia

17.0666, 17.8063, 22.2761

Trichromacy



Original Color

13.5596, 17.8306, 4.8248

Protanomaly

15.1255, 17.7237, 4.6313

Deuteranomaly

16.0601, 17.4979, 4.9139

Tritanomaly

15.3376, 17.6387, 13.4227

Monochromacy



Original Color

13.5596, 17.8306, 4.8248

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9153, 16.0897, 10.7597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5596, 17.8306, 4.8248 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(105, 125, 41)` looks like.

```
.text, #text, p{  
    color:rgb(105, 125, 41)  
}
```

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(105, 125, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 125, 41) }
```

Border

The CSS property to change the border of an element to XYZ 13.5596, 17.8306, 4.8248 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(105, 125, 41) }
```


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

```
.border{ border-color:rgb(105, 125, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 125, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 125, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 125, 41);  
box-shadow:4px 4px 4px 4px rgb(105, 125,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5596, 17.8306, 4.8248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 125, 41) }
```

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

```
.background{ background-color: rgb(105,  
125, 41) }
```

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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