

Converting Colors

XYZ(13.2039, 16.7743, 1.5714)

Have a look what the booklet for
XYZ(13.2039, 16.7743, 1.5714)
contains.

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Color

**XYZ(13.3986, 16.8777,
2.5515)**

Conversions

Conversions Part 1

Format	Color
Hex	707800
RGB	112, 120, 0
RGB Percent	44%, 47%, 0%
CMY	0.5608, 0.5294, 1.0000
CMYK	0.07, 0.00, 1.00, 0.53
HSL	64°, 100%, 24%
HSV	64°, 100%, 47%
XYZ	13.3986, 16.8777, 2.5515
YIQ	103.9280, 33.7520, -39.0160

Conversions

Conversions Part 2

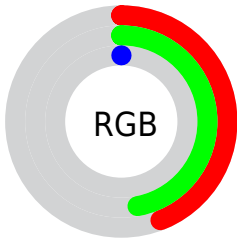
Format	Color
RYB	0, 120, 8
Decimal	7370752
CIELab	48.11, -16.10, 53.29
CIELCh	48, 55.672, 106.805
Yxy	16.8777, 0.4081, 0.5141
Android (android.graphics.Color)	4285560832 (0xFF707800)
YUV	103.9280, -51.2365, 7.0791
Hunter-Lab	41.0825, -13.6785, 25.0754

Details

The XYZ color **13.3986, 16.8777, 2.5515** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4907, 1.4080, 17.8581**, and the grayscale version is **13.2659, 13.9568, 15.1989**.

A 20% lighter version of the original color is **31.6143, 38.0907, 10.5365**, and **4.1808, 5.5954, 0.8597** is the 20% darker color. If you saturate the color by 10%, you get **13.3989, 16.8784, 2.5517**, and if you desaturate by 10%, it is **13.5677, 16.9578, 2.9061**.

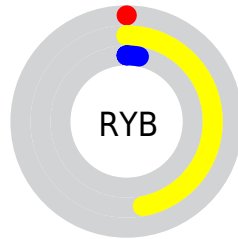
Distribution



Red (44%)

Green (47%)

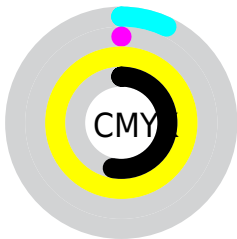
Blue (0%)



Red (0%)

Yellow (47%)

Blue (3%)

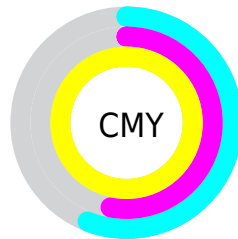


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (56%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3986, 16.8777, 2.5515 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 13.3986, 16.8777, 2.5515 by changing the saturation by 10% instead.

■ 13.3986, 16.8777,
2.5515

■ 13.3986, 16.8777,
2.5515

207.0431,
234.4666, 130.4257

■ 7.7825, 10.1473,
0.8673

■ 31.6133, 38.1154,
10.5001

■ 4.0067, 5.4968,
0.0000

■ 44.9426, 53.3915,
17.6047

■ 1.7059, 2.5416,
0.0000

■ 61.5737, 72.2850,
27.3544

■ 0.4600, 0.8974,
0.0000


■ 81.8719, 95.1802,
40.1675


■ 0.0000, 0.0000,
0.0000


■ 106.2026,
122.4616, 56.4626


■ 134.9311,


154.5135, 76.6583


 168.4228,
191.7204, 101.1732


 13.3986, 16.8777,
2.5515

 13.3986, 16.8777,
2.5515


 13.3989, 16.8784,
2.5517

 13.5677, 16.9578,
2.9061

 13.7694, 17.0504,
3.4299

 14.0271, 17.1655,
4.2436

 14.3473, 17.3057,
5.3813

 14.7354, 17.4732,
6.8721

■ 15.1964, 17.6699,
8.7420

■ 15.7348, 17.8977,
11.0145

■ 16.3546, 18.1582,
13.7114

■ 17.0598, 18.4530,
16.8525

Harmonies

Analogous

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



18.3585, 16.8777, 2.4320



13.3986, 16.8777, 2.5515



9.9604, 16.8777, 5.1695

Triad

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



13.3986, 16.8777, 2.5515



10.2780, 16.8777, 46.9651



27.4548, 16.8777, 25.4726

Complementary

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



13.3986, 16.8777, 2.5515



3.4907, 1.4080, 17.8581

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.



24.1996, 16.8777, 44.6911



13.3986, 16.8777, 2.5515



13.9286, 16.8777, 60.8386

Square

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



13.3986, 16.8777, 2.5515



8.4348, 16.8777, 27.6312



19.0115, 16.8777, 59.8386



27.2293, 16.8777, 11.4610

Rectangle

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



13.3986, 16.8777, 2.5515



8.6780, 16.8777, 9.4660



19.0115, 16.8777, 59.8386



26.7066, 16.8777, 31.6276

Sweetspot

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



13.3990, 16.8785, 2.5518



27.5982, 31.4455, 19.0506



7.8331, 4.1671, 0.3917



6.4610, 7.4187, 4.1764



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.3990, 16.8785, 2.5518



23.5211, 29.6619, 4.4856



8.1333, 14.1639, 2.3054



4.2826, 4.6210, 4.2907



14.6120, 18.4100, 2.7833



69.4155, 87.6704, 13.2635

Inverse Universe

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



3.4907, 1.4080, 17.8581



6.0926, 2.4520, 31.4052



5.7746, 2.5854, 17.9650



3.8201, 3.9051, 4.9956



3.8028, 1.5332, 19.4808



17.8704, 7.1745, 92.9127

Previews

White Background



This preview shows how the XYZ color 13.3986, 16.8777, 2.5515 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 13.3986, 16.8777, 2.5515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

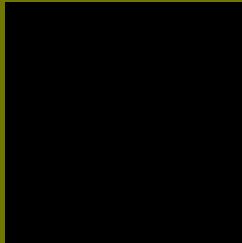
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3986, 16.8777, 2.5515

Background



This preview shows how black text looks on a background with the XYZ color 13.3986, 16.8777, 2.5515.



This preview shows how white text looks on a background with the XYZ color 13.3986, 16.8777,

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

13.3986, 16.8777, 2.5515

Protanopia

15.1840, 16.9286, 2.4673

Deuteranopia

16.9817, 16.7014, 2.9448



Tritanopia

17.0695, 17.0094, 20.1528

Trichromacy



Original Color

13.3986, 16.8777, 2.5515

Protanomaly

14.5297, 16.9335, 2.5027

Deuteranomaly

15.3763, 16.5204, 2.7262

Tritanomaly

14.9065, 16.6348, 9.2627

Monochromacy



Original Color

13.3986, 16.8777, 2.5515

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.6227, 14.6710, 7.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3986, 16.8777, 2.5515 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(112, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 120, 0)  
}
```

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(112, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 120, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3986, 16.8777, 2.5515 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(112, 120, 0) }
```


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

```
.border{ border-color:rgb(112, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 120,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3986, 16.8777, 2.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 120, 0) }
```

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

```
.background{ background-color: rgb(112,  
120, 0) }
```

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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