

Converting Colors

XYZ(12.8681, 14.5318, 16.7788)

Have a look what the booklet for
XYZ(12.8681, 14.5318, 16.7788)
contains.

XYZ(12.9046, 14.6048, 16.8907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9046, 14.6048,
16.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6E6E
RGB	93, 110, 110
RGB Percent	36%, 43%, 43%
CMY	0.6353, 0.5686, 0.5686
CMYK	0.15, 0.00, 0.00, 0.57
HSL	180°, 8%, 40%
HSV	180°, 15%, 43%
XYZ	12.9046, 14.6048, 16.8907
YIQ	104.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

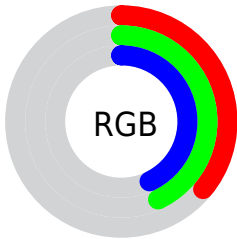
Format	Color
R_{YB}	93, 102, 110
Decimal	6123118
CIE _{Lab}	45.09, -6.33, -2.14
CIE _{LCh}	45, 6.679, 198.677
Yxy	14.6048, 0.2906, 0.3289
Android (android.graphics.Color)	4284313198 (0xFF5D6E6E)
YUV	104.9170, 2.5059, -10.4512
Hunter-Lab	38.2162, -6.6037, 0.5465

Details

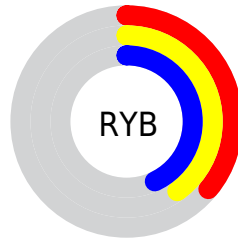
The XYZ color **12.9046, 14.6048, 16.8907** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3211, 11.9344, 12.0108**, and the grayscale version is **13.4005, 14.0984, 15.3531**.

A 20% lighter version of the original color is **30.9435, 34.3786, 39.1873**, and **3.7921, 4.4085, 5.3537** is the 20% darker color. If you saturate the color by 10%, you get **11.8704, 14.0720, 16.8423**, and if you desaturate by 10%, it is **14.0998, 15.2214, 16.9473**.

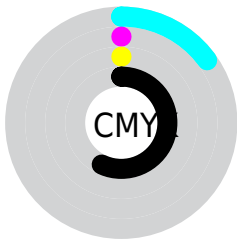
Distribution



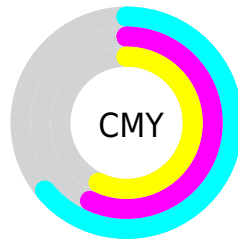
- Red (36%)
- Green (43%)
- Blue (43%)



- Red (36%)
- Yellow (40%)
- Blue (43%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (57%)



- Cyan (64%)
- Magenta (57%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9046, 14.6048, 16.8907 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 12.9046, 14.6048, 16.8907 by changing the saturation by 10% instead.

■ 12.9046, 14.6048,
16.8907

■ 12.9046, 14.6048,
16.8907

203.9553,
220.9615, 246.5643

■ 7.4394, 8.5425,
9.9955

■ 30.7351, 34.1584,
38.9258

■ 3.7872, 4.4440,
5.2904

■ 43.8311, 48.4184,
54.9028

■ 1.5824, 1.9249,
2.3569

■ 60.2014, 66.1799,
74.7441

■ 0.3809, 0.5633,
0.7628

■ 80.2114, 87.8271,
98.8682

■ 0.0000, 0.0000,
0.0000

104.2264,
113.7445, 127.6938

132.6119,

144.3164, 161.6393

165.7331,
179.9273, 201.1233

■ 12.9046, 14.6048,
16.8907

■ 12.9046, 14.6048,
16.8907

■ 11.8704, 14.0720,
16.8423

■ 14.0998, 15.2214,
16.9473

■ 10.9892, 13.6178,
16.8008

■ 15.4613, 15.9232,
17.0113

■ 10.2540, 13.2388,
16.7660

■ 16.9953, 16.7140,
17.0834

■ 9.6571, 12.9311,
16.7378

■ 18.7078, 17.5968,
17.1638

■ 9.1897, 12.6901,
16.7156

■ 20.6042, 18.5744,
17.2529

■ 8.8423, 12.5111,
16.6991

■ 22.6896, 19.6495,
17.3508

■ 8.6040, 12.3882,
16.6876

■ 24.9693, 20.8247,
17.4578

■ 8.4528, 12.3103,
16.6802

■ 27.4480, 22.1025,
17.5741

■ 8.3902, 12.2780,
16.6771

■ 30.1303, 23.4853,
17.6999

Harmonies

Analogous

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



12.8712, 14.6048, 15.3155



12.9046, 14.6048, 16.8907



13.1956, 14.6048, 18.2839

Triad

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



12.9046, 14.6048, 16.8907



14.6899, 14.6048, 17.9845



14.0899, 14.6048, 13.1165

Complementary

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



12.9046, 14.6048, 16.8907



12.3211, 11.9344, 12.0108

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.



14.5907, 14.6048, 13.7367



12.9046, 14.6048, 16.8907



14.9431, 14.6048, 16.5035

Square

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



12.9046, 14.6048, 16.8907



14.2224, 14.6048, 18.9436



14.9063, 14.6048, 14.9529



13.5459, 14.6048, 13.2050

Rectangle

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



12.9046, 14.6048, 16.8907



13.5009, 14.6048, 18.8900



14.9063, 14.6048, 14.9529



14.2691, 14.6048, 13.2473

Sweetspot

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



12.9050, 14.6054, 16.8910



24.8334, 26.7678, 29.7648



12.0951, 14.2847, 12.4759



5.7517, 6.2150, 6.9252



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.9050, 14.6054, 16.8910



21.8934, 25.2522, 29.6264



12.0592, 12.9136, 16.6095



3.4750, 3.8152, 4.3074



10.0788, 14.7490, 20.0335



50.2067, 73.4713, 99.7946

Inverse Universe

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



12.3211, 11.9344, 12.0108



20.6335, 19.4895, 19.0971



13.0815, 13.4553, 12.2639



3.3845, 3.4015, 3.5516



7.7250, 3.9824, 0.3619



38.4815, 19.8379, 1.8016

Previews

White Background



This preview shows how the XYZ color 12.9046, 14.6048, 16.8907 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 12.9046, 14.6048, 16.8907 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

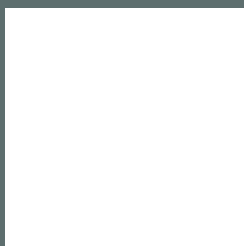
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9046, 14.6048, 16.8907

Background



This preview shows how black text looks on a background with the XYZ color 12.9046, 14.6048, 16.8907.



This preview shows how white text looks on a background with the XYZ color 12.9046, 14.6048,

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

12.9046, 14.6048, 16.8907

Protanopia

14.0452, 14.5789, 16.2611

Deuteranopia

14.7897, 14.4930, 17.0569



Tritanopia

13.3547, 14.6250, 19.2586

Trichromacy



Original Color

12.9046, 14.6048, 16.8907

Protanomaly

13.6115, 14.5031, 16.5500

Deuteranomaly

14.0867, 14.5816, 17.1110

Tritanomaly

13.1792, 14.5548, 18.3344

Monochromacy



Original Color

12.9046, 14.6048, 16.8907

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2784, 14.3436, 15.9787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9046, 14.6048, 16.8907 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(93, 110, 110) looks like.

```
.text, #text, p{  
    color:rgb(93, 110, 110)  
}
```

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(93, 110, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 110, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.9046, 14.6048, 16.8907 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(93, 110, 110) }
```


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

```
.border{ border-color:rgb(93, 110, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 110, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 110, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 110, 110);  
box-shadow:4px 4px 4px 4px rgb(93, 110,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9046, 14.6048, 16.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 110, 110) }
```

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

```
.background{ background-color: rgb(93, 110,  
110) }
```

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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