

Converting Colors

XYZ(11.6786, 12.8748, 18.4864)

Have a look what the booklet for
XYZ(11.6786, 12.8748, 18.4864)
contains.

XYZ(11.6588, 12.8463, 18.3881)	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(11.6588, 12.8463,
18.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	546774
RGB	84, 103, 116
RGB Percent	33%, 40%, 45%
CMY	0.6706, 0.5961, 0.5451
CMYK	0.28, 0.11, 0.00, 0.55
HSL	204°, 16%, 39%
HSV	204°, 28%, 45%
XYZ	11.6588, 12.8463, 18.3881
YIQ	98.8010, -15.4970, 0.0150

Conversions

Conversions Part 2

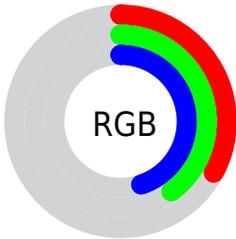
Format	Color
R_{YB}	84, 96, 116
Decimal	5531508
CIE Lab	42.53, -3.86, -9.63
CIE LCh	43, 10.377, 248.191
Yxy	12.8463, 0.2718, 0.2995
Android (android.graphics.Color)	4283721588 (0xFF546774)
YUV	98.8010, 8.4791, -12.9805
Hunter-Lab	35.8417, -4.6596, -5.3287

Details

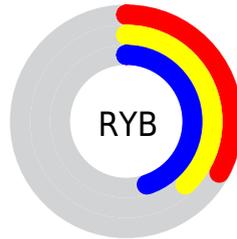
The XYZ color **11.6588, 12.8463, 18.3881** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0775, 12.9025, 10.1890**, and the grayscale version is **11.7922, 12.4063, 13.5104**.

A 20% lighter version of the original color is **28.4550, 31.0067, 41.5309**, and **3.2569, 3.6578, 6.0032** is the 20% darker color. If you saturate the color by 10%, you get **10.2498, 11.4440, 18.1919**, and if you desaturate by 10%, it is **13.2670, 14.3912, 18.6017**.

Distribution



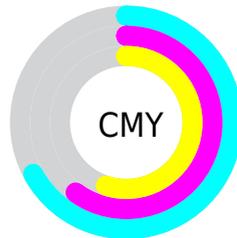
- Red (33%)
- Green (40%)
- Blue (45%)



- Red (33%)
- Yellow (38%)
- Blue (45%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)
- Black (55%)



- Cyan (67%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6588, 12.8463, 18.3881 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 11.6588, 12.8463, 18.3881 by changing the saturation by 10% instead.

■ 11.6588, 12.8463,
18.3881

■ 11.6588, 12.8463,
18.3881

195.9496,
209.9303, 255.3587

■ 6.5823, 7.3228,
11.0567

■ 28.4944, 31.0274,
41.5204

■ 3.2463, 3.6648,
5.9903

■ 40.9843, 44.4537,
58.1583

■ 1.2853, 1.4879,
2.7705

■ 56.6760, 61.2832,
78.7354

■ 0.1722, 0.2802,
0.9787

■ 75.9349, 81.9001,
103.6704

■ 0.0000, 0.0000,
0.0000

■ 99.1263, 106.6888,
133.3816

126.6157,

136.0339, 168.2877

158.7683,
170.3195, 208.8073

■ 11.6588, 12.8463,
18.3881

■ 11.6588, 12.8463,
18.3881

■ 10.2498, 11.4440,
18.1919

■ 13.2670, 14.3912,
18.6017

■ 9.0300, 10.1774,
18.0117

■ 15.0814, 16.0820,
18.8325

■ 7.9900, 9.0415,
17.8473

■ 17.1104, 17.9238,
19.0810

■ 7.1194, 8.0301,
17.6979

■ 19.3613, 19.9210,
19.3479

■ 6.4064, 7.1366,
17.5631

■ 21.8411, 22.0779,
19.6335

■ 5.8376, 6.3532,
17.4418

■ 24.5564, 24.3985,
19.9383

■ 5.3788, 5.6616,
17.3325

■ 27.5138, 26.8865,
20.2627

■ 5.2732, 5.5025,
17.3074

■ 30.7193, 29.5459,
20.6071

■ 34.1789, 32.3800,
20.9718

Harmonies

Analogous

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



11.0637, 12.8463, 16.8285



11.6588, 12.8463, 18.3881



12.4259, 12.8463, 18.7077

Triad

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



11.6588, 12.8463, 18.3881



13.7628, 12.8463, 13.3816



11.3020, 12.8463, 10.8628

Complementary

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



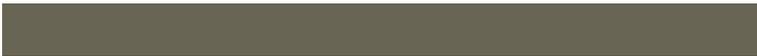
11.6588, 12.8463, 18.3881



13.0775, 12.9025, 10.1890

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.



11.9966, 12.8463, 10.1365



11.6588, 12.8463, 18.3881



13.4329, 12.8463, 11.4856

Square

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



11.6588, 12.8463, 18.3881



13.6629, 12.8463, 15.6525



12.7784, 12.8463, 10.3517



10.8640, 12.8463, 12.4449

Rectangle

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



11.6588, 12.8463, 18.3881



12.9357, 12.8463, 18.1455



12.7784, 12.8463, 10.3517



11.5120, 12.8463, 10.5187

Sweetspot

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



11.6592, 12.8468, 18.3884



26.3025, 28.0778, 33.0778



12.0502, 15.2352, 13.5663



6.1740, 6.6053, 7.8785



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

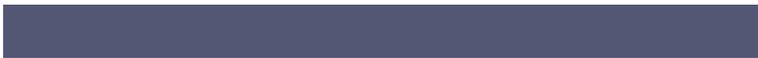
The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.6592, 12.8468, 18.3884



18.9062, 21.0123, 32.1038



10.2332, 9.9949, 17.9131



3.6645, 3.9176, 4.6533



5.8993, 6.1382, 19.4164



27.8906, 28.1978, 94.3330

Inverse Universe

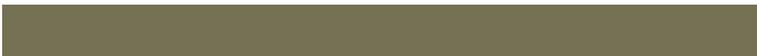
The Inverse Universe completely reimagines the original color for something new.



12.8213, 11.0332, 14.2865



21.3433, 17.4150, 23.4551



14.6858, 16.1190, 10.7251



3.7667, 3.7339, 4.2980



9.2748, 4.6436, 6.6553



44.7646, 22.4560, 30.1536

Previews

White Background



This preview shows how the XYZ color 11.6588, 12.8463, 18.3881 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 11.6588, 12.8463, 18.3881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

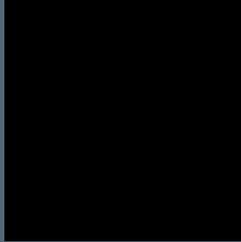
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6588, 12.8463, 18.3881

Background



This preview shows how black text looks on a background with the XYZ color 11.6588, 12.8463, 18.3881.



This preview shows how white text looks on a background with the XYZ color 11.6588, 12.8463,

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

11.6588, 12.8463, 18.3881

Protanopia

12.5361, 12.7353, 17.7170

Deuteranopia

13.0581, 12.8445, 18.6206



Tritanopia

11.4422, 12.9095, 17.2179

Trichromacy



Original Color

11.6588, 12.8463, 18.3881

Protanomaly

12.1659, 12.6793, 18.0258

Deuteranomaly

12.4874, 12.8316, 18.6482

Tritanomaly

11.4982, 12.9319, 17.5129

Monochromacy



Original Color

11.6588, 12.8463, 18.3881

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7231, 12.5139, 15.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6588, 12.8463, 18.3881 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(84, 103, 116) looks like.

```
.text, #text, p{  
    color:rgb(84, 103, 116)  
}
```

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(84, 103, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 103, 116) }
```

Border

The CSS property to change the border of an element to XYZ 11.6588, 12.8463, 18.3881 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(84, 103, 116) }
```

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

```
.border{ border-color:rgb(84, 103, 116) }
```

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

Here you see how a box with a 4 pixel rgb(84, 103, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 103, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 103, 116);  
box-shadow:4px 4px 4px 4px rgb(84, 103,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6588, 12.8463, 18.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 103, 116) }
```

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

```
.background{ background-color: rgb(84, 103,  
116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor