

Converting Colors

XYZ(12.3065, 14.3101, 16.2963)

Have a look what the booklet for
XYZ(12.3065, 14.3101, 16.2963)
contains.

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Color

**XYZ(12.3072, 14.3093,
16.3007)**

Conversions

Conversions Part 1

Format	Color
Hex	586E6C
RGB	88, 110, 108
RGB Percent	35%, 43%, 42%
CMY	0.6549, 0.5686, 0.5765
CMYK	0.20, 0.00, 0.02, 0.57
HSL	175°, 11%, 39%
HSV	175°, 20%, 43%
XYZ	12.3072, 14.3093, 16.3007
YIQ	103.1940, -12.4700, -5.2860

Conversions

Conversions Part 2

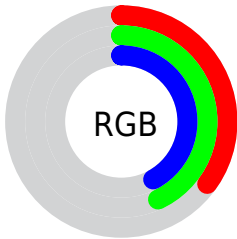
Format	Color
R_{YB}	88, 100, 110
Decimal	5795436
CIE _{Lab}	44.67, -8.57, -1.59
CIE _{LCh}	45, 8.713, 190.500
Yxy	14.3093, 0.2868, 0.3334
Android (android.graphics.Color)	4283985516 (0xFF586E6C)
YUV	103.1940, 2.3694, -13.3251
Hunter-Lab	37.8276, -8.1235, 0.9301

Details

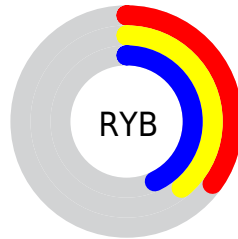
The XYZ color **12.3072, 14.3093, 16.3007** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7661, 11.0330, 11.1828**, and the grayscale version is **12.9401, 13.6140, 14.8256**.

A 20% lighter version of the original color is **29.6596, 33.7471, 37.7515**, and **3.5198, 4.2744, 5.0544** is the 20% darker color. If you saturate the color by 10%, you get **11.2907, 13.7918, 15.9770**, and if you desaturate by 10%, it is **13.4823, 14.9093, 16.6357**.

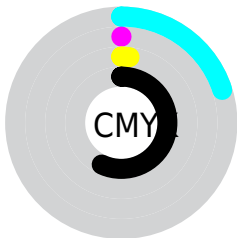
Distribution



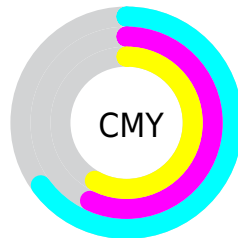
- Red (35%)
- Green (43%)
- Blue (42%)



- Red (35%)
- Yellow (39%)
- Blue (43%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (57%)



- Cyan (65%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3072, 14.3093, 16.3007 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 12.3072, 14.3093, 16.3007 by changing the saturation by 10% instead.

■ 12.3072, 14.3093,
16.3007

■ 12.3072, 14.3093,
16.3007

200.1572,
219.1466, 243.0156

■ 7.0269, 8.3361,
9.5805

■ 29.6654, 33.6368,
37.8935

■ 3.5254, 4.3108,
5.0198

■ 42.4741, 47.7600,
53.6032

■ 1.4373, 1.8489,
2.1999

■ 58.5229, 65.3685,
73.1465

■ 0.2826, 0.5174,
0.6743

■ 78.1773, 86.8469,
96.9419

■ 0.0000, 0.0000,
0.0000

■ 101.8025,
112.5795, 125.4079

129.7640,

142.9507, 158.9632

162.4272,
178.3450, 198.0263

■ 12.3072, 14.3093,
16.3007

■ 12.3072, 14.3093,
16.3007

■ 11.2907, 13.7918,
15.9770

■ 13.4823, 14.9093,
16.6357

■ 10.4245, 13.3513,
15.6631

■ 14.8214, 15.5933,
16.9812

■ 9.7015, 12.9845,
15.3592

■ 16.3310, 16.3652,
17.3379

■ 9.1135, 12.6873,
15.0647

■ 18.0171, 17.2280,
17.7061

■ 8.6514, 12.4550,
14.7793

■ 19.8852, 18.1846,
18.0861

■ 8.3052, 12.2822,
14.5024

■ 21.9407, 19.2377,
18.4781

■ 8.0630, 12.1631,
14.2335

■ 24.1887, 20.3900,
18.8823

■ 7.8762, 12.0724,
13.9704

■ 26.6341, 21.6440,
19.2991

■ 29.2818, 23.0021,
19.7285

Harmonies

Analogous

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



12.3589, 14.3093, 14.3166



12.3072, 14.3093, 16.3007



12.5928, 14.3093, 18.2481

Triad

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



12.3072, 14.3093, 16.3007



14.5027, 14.3093, 18.7324



14.0594, 14.3093, 12.1910

Complementary

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



12.3072, 14.3093, 16.3007



11.7661, 11.0330, 11.1828

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.



14.6607, 14.3093, 13.1862



12.3072, 14.3093, 16.3007



14.9227, 14.3093, 16.9165

Square

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



12.3072, 14.3093, 16.3007



13.8498, 14.3093, 19.7306



14.9815, 14.3093, 14.8816



13.3543, 14.3093, 12.0572

Rectangle

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



12.3072, 14.3093, 16.3007



12.9421, 14.3093, 19.2206



14.9815, 14.3093, 14.8816



14.2810, 14.3093, 12.4316

Sweetspot

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



12.3076, 14.3099, 16.3010



24.5450, 26.6260, 29.4449



11.5737, 14.0408, 11.3328



5.6883, 6.1840, 6.8459



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.



12.3076, 14.3099, 16.3010



20.7514, 24.6904, 28.3602



11.5125, 12.5472, 16.5677



3.4625, 3.8102, 4.2419



9.4559, 14.4999, 16.7533



46.9377, 72.1637, 82.5800

Inverse Universe

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



11.7661, 11.0330, 11.1828



19.6165, 17.8206, 17.6319



12.4486, 12.5325, 10.9956



3.3957, 3.4060, 3.6105



7.7848, 4.0063, 0.6767



38.6310, 19.8977, 2.5893

Previews

White Background



This preview shows how the XYZ color 12.3072, 14.3093, 16.3007 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 12.3072, 14.3093, 16.3007 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 12.3072, 14.3093, 16.3007

Background



This preview shows how black text looks on a background with the XYZ color 12.3072, 14.3093, 16.3007.



This preview shows how white text looks on a background with the XYZ color 12.3072, 14.3093,

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

12.3072, 14.3093, 16.3007

Protanopia

13.6648, 14.2489, 15.3947

Deuteranopia

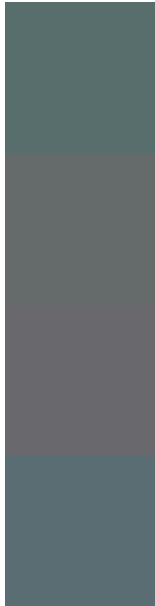
14.5053, 14.2059, 16.7294



Tritanopia

12.8960, 14.3953, 18.9285

Trichromacy



Original Color

12.3072, 14.3093, 16.3007

Protanomaly

13.1147, 14.2653, 15.6979

Deuteranomaly

13.6376, 14.2105, 16.4921

Tritanomaly

12.6257, 14.2760, 18.0097

Monochromacy



Original Color

12.3072, 14.3093, 16.3007

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7408, 13.9247, 15.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3072, 14.3093, 16.3007 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(88, 110, 108) looks like.

```
.text, #text, p{  
    color:rgb(88, 110, 108)  
}
```

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(88, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 110, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.3072, 14.3093, 16.3007 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(88, 110, 108) }
```


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

```
.border{ border-color:rgb(88, 110, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(88, 110,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3072, 14.3093, 16.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 110, 108) }
```

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

```
.background{ background-color: rgb(88, 110,  
108) }
```

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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