

Converting Colors

XYZ(12.1124, 13.7835, 16.0077)

Have a look what the booklet for
XYZ(12.1124, 13.7835, 16.0077)
contains.

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Color

**XYZ(12.0314, 13.7008,
15.9203)**

Conversions

Conversions Part 1

Format	Color
Hex	596B6B
RGB	89, 107, 107
RGB Percent	35%, 42%, 42%
CMY	0.6510, 0.5804, 0.5804
CMYK	0.17, 0.00, 0.00, 0.58
HSL	180°, 9%, 38%
HSV	180°, 17%, 42%
XYZ	12.0314, 13.7008, 15.9203
YIQ	101.6180, -10.7280, -3.8160

Conversions

Conversions Part 2

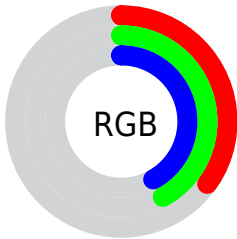
Format	Color
R_{YB}	89, 98, 107
Decimal	5860203
CIE _{Lab}	43.80, -6.71, -2.26
CIE _{LCh}	44, 7.081, 198.610
Yxy	13.7008, 0.2889, 0.3289
Android (android.graphics.Color)	4284050283 (0xFF596B6B)
YUV	101.6180, 2.6533, -11.0660
Hunter-Lab	37.0146, -6.7550, 0.4091

Details

The XYZ color **12.0314, 13.7008, 15.9203** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4395, 10.9923, 10.9707**, and the grayscale version is **12.5254, 13.1777, 14.3505**.

A 20% lighter version of the original color is **29.0459, 32.4113, 37.0729**, and **3.4277, 4.0716, 4.8802** is the 20% darker color. If you saturate the color by 10%, you get **11.0784, 13.2099, 15.8757**, and if you desaturate by 10%, it is **13.1345, 14.2698, 15.9725**.

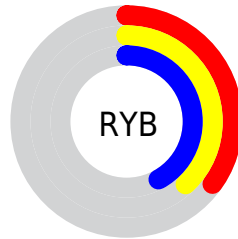
Distribution



Red (35%)

Green (42%)

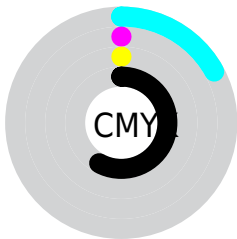
Blue (42%)



Red (35%)

Yellow (38%)

Blue (42%)

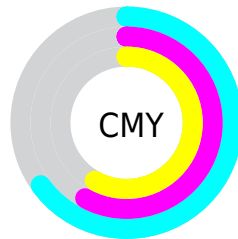


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (58%)



Cyan (65%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0314, 13.7008, 15.9203 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 12.0314, 13.7008, 15.9203 by changing the saturation by 10% instead.

■ 12.0314, 13.7008,
15.9203

■ 12.0314, 13.7008,
15.9203

■ 198.3787,
215.3615, 240.7006

■ 6.8374, 7.9129,
9.3140

■ 29.1686, 32.5572,
37.2247

■ 3.4061, 4.0392,
4.8470

■ 41.8426, 46.3944,
52.7598

■ 1.3720, 1.6955,
2.1006

■ 57.7406, 63.6836,
72.1083

■ 0.2361, 0.4208,
0.6161

■ 77.2280, 84.8090,
95.6888

■ 0.0000, 0.0000,
0.0000

■ 100.6702,
110.1551, 123.9197

128.4325,

140.1063, 157.2196

160.8802,
175.0469, 196.0071

■ 12.0314, 13.7008,
15.9203

■ 12.0314, 13.7008,
15.9203

■ 11.0784, 13.2099,
15.8757

■ 13.1345, 14.2698,
15.9725

■ 10.2679, 12.7920,
15.8375

■ 14.3925, 14.9183,
16.0316

■ 9.5934, 12.4443,
15.8057

■ 15.8115, 15.6498,
16.0983

■ 9.0474, 12.1629,
15.7798

■ 17.3969, 16.4672,
16.1728

■ 8.6218, 11.9435,
15.7597

■ 19.1539, 17.3729,
16.2553

■ 8.3075, 11.7815,
15.7447

■ 21.0874, 18.3696,
16.3460

■ 8.0941, 11.6715,
15.7344

■ 23.2021, 19.4598,
16.4453

■ 7.9540, 11.5992,
15.7276

■ 25.5026, 20.6458,
16.5532

■ 7.9114, 11.5773,
15.7255

■ 27.9932, 21.9297,
16.6700

Harmonies

Analogous

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



11.9983, 13.7008, 14.3191



12.0314, 13.7008, 15.9203



12.3255, 13.7008, 17.3445

Triad

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



12.0314, 13.7008, 15.9203



13.8440, 13.7008, 17.0436



13.2353, 13.7008, 12.1032

Complementary

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



12.0314, 13.7008, 15.9203



11.4395, 10.9923, 10.9707

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.



13.7447, 13.7008, 12.7288



12.0314, 13.7008, 15.9203



14.1028, 13.7008, 15.5331

Square

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



12.0314, 13.7008, 15.9203



13.3677, 13.7008, 18.0243



14.0660, 13.7008, 13.9584



12.6827, 13.7008, 12.1906

Rectangle

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



12.0314, 13.7008, 15.9203



12.6347, 13.7008, 17.9665



14.0660, 13.7008, 13.9584



13.4175, 13.7008, 12.2352

Sweetspot

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



12.0318, 13.7014, 15.9206



23.8771, 25.7360, 28.6165



11.2100, 13.3760, 11.4425



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.



12.0318, 13.7014, 15.9206



20.8741, 24.1880, 28.4753



11.1699, 11.9775, 15.6338



3.1818, 3.4919, 3.9411



9.6242, 14.0838, 19.1301



49.0394, 71.7628, 97.4750

Inverse Universe

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



11.4395, 10.9923, 10.9707



19.6096, 18.4041, 17.9073



12.2068, 12.5269, 11.2261



3.0998, 3.1168, 3.2557



7.3766, 3.8027, 0.3455



37.5866, 19.3766, 1.7597

Previews

White Background



This preview shows how the XYZ color 12.0314, 13.7008, 15.9203 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 12.0314, 13.7008, 15.9203 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

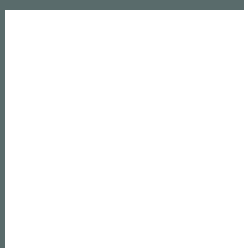
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0314, 13.7008, 15.9203

Background



This preview shows how black text looks on a background with the XYZ color 12.0314, 13.7008, 15.9203.



This preview shows how white text looks on a background with the XYZ color 12.0314, 13.7008,

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

12.0314, 13.7008, 15.9203

Protanopia

13.2257, 13.7237, 15.3165

Deuteranopia

13.8195, 13.5766, 16.0795



Tritanopia

12.4077, 13.6966, 17.9093

Trichromacy



Original Color

12.0314, 13.7008, 15.9203

Protanomaly

12.6974, 13.5939, 15.5903

Deuteranomaly

13.1505, 13.6668, 16.1322

Tritanomaly

12.2397, 13.6294, 17.0246

Monochromacy



Original Color

12.0314, 13.7008, 15.9203

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3788, 13.4415, 15.0387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0314, 13.7008, 15.9203 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(89, 107, 107) looks like.

```
.text, #text, p{  
    color:rgb(89, 107, 107)  
}
```

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(89, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 107, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.0314, 13.7008, 15.9203 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(89, 107, 107) }
```


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

```
.border{ border-color:rgb(89, 107, 107) }
```

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

Here you see how a box with a 4 pixel rgb(89, 107, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(89, 107,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0314, 13.7008, 15.9203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 107, 107) }
```

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

```
.background{ background-color: rgb(89, 107,  
107) }
```

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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