

Converting Colors

XYZ(11.8331, 12.1501, 16.1898)

Have a look what the booklet for
XYZ(11.8331, 12.1501, 16.1898)
contains.

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Color

**XYZ(11.8589, 12.1403,
16.1863)**

Conversions

Conversions Part 1

Format	Color
Hex	60616D
RGB	96, 97, 109
RGB Percent	38%, 38%, 43%
CMY	0.6235, 0.6196, 0.5725
CMYK	0.12, 0.11, 0.00, 0.57
HSL	235°, 6%, 40%
HSV	235°, 12%, 43%
XYZ	11.8589, 12.1403, 16.1863
YIQ	98.0690, -4.4480, 3.5200

Conversions

Conversions Part 2

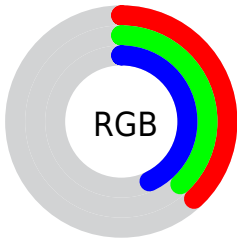
Format	Color
R_{YB}	96, 97, 109
Decimal	6316397
CIE _{Lab}	41.44, 2.27, -6.92
CIE _{LCh}	41, 7.279, 288.149
Yxy	12.1403, 0.2951, 0.3021
Android (android.graphics.Color)	4284506477 (0xFF60616D)
YUV	98.0690, 5.3890, -1.8145
Hunter-Lab	34.8429, -0.2221, -3.1531

Details

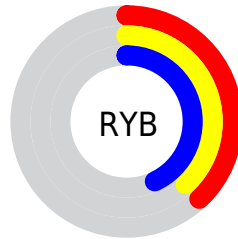
The XYZ color **11.8589, 12.1403, 16.1863** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7807, 14.8209, 13.2010**, and the grayscale version is **11.6147, 12.2196, 13.3071**.

A 20% lighter version of the original color is **28.9677, 29.9209, 37.5063**, and **3.3687, 3.3936, 5.0349** is the 20% darker color. If you saturate the color by 10%, you get **9.9193, 9.8471, 15.8461**, and if you desaturate by 10%, it is **14.0762, 14.7524, 16.5738**.

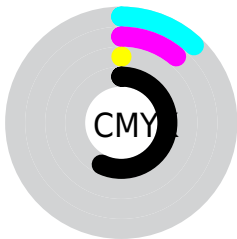
Distribution



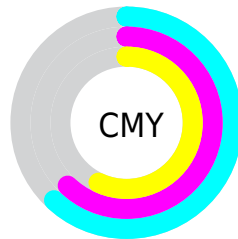
- Red (38%)
- Green (38%)
- Blue (43%)



- Red (38%)
- Yellow (38%)
- Blue (43%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (57%)



- Cyan (62%)
- Magenta (62%)
- Yellow (57%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8589, 12.1403, 16.1863 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 11.8589, 12.1403, 16.1863 by changing the saturation by 10% instead.

■ 11.8589, 12.1403,
16.1863

■ 11.8589, 12.1403,
16.1863

197.2580,
205.3319, 242.3217

■ 6.7192, 6.8393,
9.5003

■ 28.8570, 29.7504,
37.6926

■ 3.3319, 3.3618,
4.9677

■ 41.4460, 42.8282,
53.3500

■ 1.3316, 1.3234,
2.1699

■ 57.2489, 59.2672,
72.8349

■ 0.2067, 0.1592,
0.6569

■ 76.6309, 79.4516,
96.5660

■ 0.0000, 0.0000,
0.0000

99.9575, 103.7659,
124.9616

127.5940,

132.5944, 158.4404

159.9057,
166.3217, 197.4209

■ 11.8589, 12.1403,
16.1863

■ 11.8589, 12.1403,
16.1863

■ 9.9193, 9.8471,
15.8461

■ 14.0762, 14.7524,
16.5738

■ 8.2454, 7.8591,
15.5506

■ 16.5804, 17.6933,
17.0095

■ 6.8260, 6.1638,
15.2982

■ 19.3816, 20.9744,
17.4952

■ 5.6485, 4.7474,
15.0868

■ 22.4891, 24.6062,
18.0324

■ 4.6994, 3.5949,
14.9144

■ 25.9119, 28.5986,
18.6226

■ 3.9638, 2.6900,
14.7785

■ 29.6585, 32.9613,
19.2672

■ 3.4251, 2.0143,
14.6765

■ 33.7371, 37.7034,
19.9676

■ 3.0635, 1.5470,
14.6053

■ 38.1557, 42.8338,
20.7249

■ 2.8515, 1.2863,
14.5662

■ 42.9217, 48.3611,
21.5406

Harmonies

Analogous

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



11.3312, 12.1403, 16.2813



11.8589, 12.1403, 16.1863



12.3138, 12.1403, 15.2603

Triad

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



11.8589, 12.1403, 16.1863



12.2314, 12.1403, 11.1644



10.5714, 12.1403, 12.6291

Complementary

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



11.8589, 12.1403, 16.1863



13.7807, 14.8209, 13.2010

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.



10.7974, 12.1403, 11.3679



11.8589, 12.1403, 16.1863



11.7493, 12.1403, 10.5665

Square

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



11.8589, 12.1403, 16.1863



12.5333, 12.1403, 12.3315



11.2249, 12.1403, 10.6380



10.5987, 12.1403, 14.1475

Rectangle

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



11.8589, 12.1403, 16.1863



12.5096, 12.1403, 14.3335



11.2249, 12.1403, 10.6380



10.6199, 12.1403, 12.1633

Sweetspot

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



11.8593, 12.1408, 16.1866



24.2946, 25.3447, 29.5188



12.9951, 14.5053, 16.2792



5.5957, 5.8299, 6.8591



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.



11.8593, 12.1408, 16.1866



20.3350, 20.6764, 28.8264



12.3571, 12.2610, 16.1835



2.9654, 3.0592, 3.8691



3.3266, 1.4875, 17.0340



16.6812, 7.0410, 86.7061

Inverse Universe

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



12.6475, 12.4803, 13.0522



22.0124, 21.4042, 22.1554



13.2409, 14.7002, 13.2062



3.1083, 3.1202, 3.3009



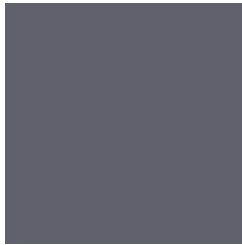
7.4260, 3.8225, 0.6058



37.7027, 19.4230, 2.3712

Previews

White Background



This preview shows how the XYZ color 11.8589, 12.1403, 16.1863 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 11.8589, 12.1403, 16.1863 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

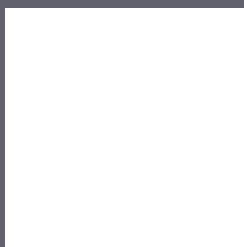
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8589, 12.1403, 16.1863

Background



This preview shows how black text looks on a background with the XYZ color 11.8589, 12.1403, 16.1863.



This preview shows how white text looks on a background with the XYZ color 11.8589, 12.1403,

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

11.8589, 12.1403, 16.1863

Protanopia

11.8589, 12.1403, 16.1863

Deuteranopia

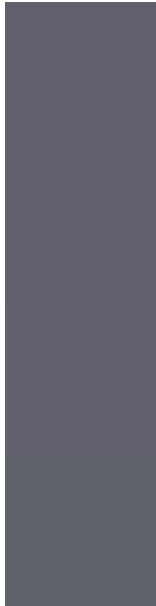
12.3320, 12.1133, 16.1561



Tritanopia

11.6368, 12.1882, 15.1038

Trichromacy



Original Color

11.8589, 12.1403, 16.1863

Protanomaly

11.8589, 12.1403, 16.1863

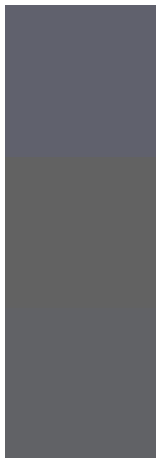
Deuteranomaly

12.1987, 12.1792, 16.1759

Tritanomaly

11.6885, 12.2089, 15.3762

Monochromacy



Original Color

11.8589, 12.1403, 16.1863

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6957, 12.2361, 14.3157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8589, 12.1403, 16.1863 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(96, 97, 109) looks like.

```
.text, #text, p{  
    color:rgb(96, 97, 109)  
}
```

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(96, 97, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 97, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.8589, 12.1403, 16.1863 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(96, 97, 109) }
```


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

```
.border{ border-color:rgb(96, 97, 109) }
```

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

Here you see how a box with a 4 pixel rgb(96, 97, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 97, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 97, 109);  
box-shadow:4px 4px 4px 4px rgb(96, 97,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8589, 12.1403, 16.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 97, 109) }
```

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

```
.background{ background-color: rgb(96, 97,  
109) }
```

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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