

Converting Colors

XYZ(12.0472, 11.5699, 21.1351)

Have a look what the booklet for
XYZ(12.0472, 11.5699, 21.1351)
contains.

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Color

**XYZ(12.0297, 11.5847,
21.0041)**

Conversions

Conversions Part 1

Format	Color
Hex	5C5D7D
RGB	92, 93, 125
RGB Percent	36%, 36%, 49%
CMY	0.6392, 0.6353, 0.5098
CMYK	0.26, 0.26, 0.00, 0.51
HSL	238°, 15%, 43%
HSV	238°, 26%, 49%
XYZ	12.0297, 11.5847, 21.0041
YIQ	96.3490, -10.8680, 9.7400

Conversions

Conversions Part 2

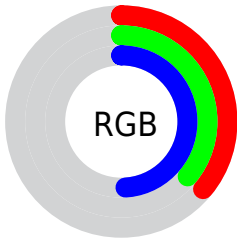
Format	Color
R_{YB}	92, 93, 125
Decimal	6053245
CIE _{Lab}	40.55, 7.30, -18.06
CIE _{LCh}	41, 19.482, 291.996
Yxy	11.5847, 0.2696, 0.2596
Android (android.graphics.Color)	4284243325 (0xFF5C5D7D)
YUV	96.3490, 14.1249, -3.8141
Hunter-Lab	34.0363, 3.5250, -12.7630

Details

The XYZ color **12.0297, 11.5847, 21.0041** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.5971, 19.5482, 12.9714**, and the grayscale version is **11.1720, 11.7538, 12.7998**.

A 20% lighter version of the original color is **29.1860, 28.6989, 46.1207**, and **3.4032, 3.1127, 7.2589** is the 20% darker color. If you saturate the color by 10%, you get **9.9017, 9.0317, 20.6237**, and if you desaturate by 10%, it is **14.5332, 14.5822, 21.4509**.

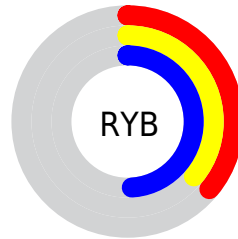
Distribution



Red (36%)

Green (36%)

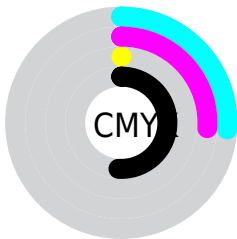
Blue (49%)



Red (36%)

Yellow (36%)

Blue (49%)

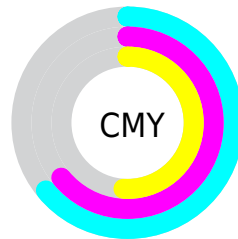


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (51%)



Cyan (64%)

Magenta (64%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0297, 11.5847, 21.0041 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 12.0297, 11.5847, 21.0041 by changing the saturation by 10% instead.

■ 12.0297, 11.5847,
21.0041

■ 12.0297, 11.5847,
21.0041

198.3677,
201.6362, 270.0820

■ 6.8363, 6.4616,
12.9357

■ 29.1656, 28.7364,
45.9752

■ 3.4053, 3.1277,
7.2541

■ 41.8387, 41.5338,
63.7151

■ 1.3716, 1.1988,
3.5407

■ 57.7358, 57.6581,
85.5158

■ 0.2358, 0.0607,
1.3769

■ 77.2222, 77.4936,
111.7960

■ 0.0000, 0.0000,
0.1236

100.6632,
101.4247, 142.9742

■ 0.0000, 0.0000,
0.0000

128.4242,

129.8360, 179.4689

160.8706,
163.1116, 221.6987

■ 12.0297, 11.5847,
21.0041

■ 12.0297, 11.5847,
21.0041

■ 9.9017, 9.0317,
20.6237

■ 14.5332, 14.5822,
21.4509

■ 8.1299, 6.9008,
20.3057

■ 17.4279, 18.0424,
21.9662

■ 6.6954, 5.1695,
20.0472

■ 20.7300, 21.9843,
22.5531

■ 5.5767, 3.8131,
19.8443

■ 24.4543, 26.4254,
23.2140

■ 4.7499, 2.8037,
19.6931

■ 28.6150, 31.3822,
23.9515

■ 4.1879, 2.1099,
19.5888

■ 33.2257, 36.8707,
24.7678

■ 3.8466, 1.6867,
19.5251

■ 38.2992, 42.9058,
25.6653

■ 3.7428, 1.5629,
19.5067

■ 43.8480, 49.5023,
26.6461

■ 49.8840, 56.6741,
27.7123

Harmonies

Analogous

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



10.6474, 11.5847, 21.6810



12.0297, 11.5847, 21.0041



13.2251, 11.5847, 17.8658

Triad

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



12.0297, 11.5847, 21.0041



12.7179, 11.5847, 7.5444



8.5978, 11.5847, 11.5899

Complementary

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



12.0297, 11.5847, 21.0041



17.5971, 19.5482, 12.9714

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.



9.0587, 11.5847, 8.5073



12.0297, 11.5847, 21.0041



11.3827, 11.5847, 6.5098

Square

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



12.0297, 11.5847, 21.0041



13.6449, 11.5847, 9.9883



10.0513, 11.5847, 6.8214



8.7398, 11.5847, 15.6631

Rectangle

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



12.0297, 11.5847, 21.0041



13.7176, 11.5847, 15.0982



10.0513, 11.5847, 6.8214



8.6860, 11.5847, 10.4180

Sweetspot

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



12.0301, 11.5852, 21.0044



30.2257, 31.1345, 39.1609



15.3793, 18.3955, 21.7760



6.7169, 6.8927, 8.8795



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.0301, 11.5852, 21.0044



19.0373, 17.7415, 37.1654



13.6408, 12.2861, 21.0548



4.1185, 4.2310, 5.4129



3.9054, 1.6293, 20.3586



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2607, 12.8050, 12.0764



23.7829, 20.3536, 18.1680



15.6465, 18.7296, 12.9162



4.3326, 4.3462, 4.5562



8.8482, 4.5590, 0.5246



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0297, 11.5847, 21.0041 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 12.0297, 11.5847, 21.0041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

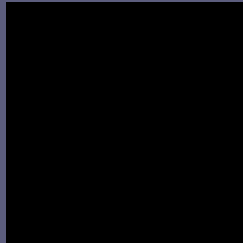
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0297, 11.5847, 21.0041

Background



This preview shows how black text looks on a background with the XYZ color 12.0297, 11.5847, 21.0041.

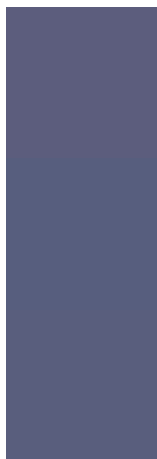


This preview shows how white text looks on a background with the XYZ color 12.0297, 11.5847,

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

12.0297, 11.5847, 21.0041

Protanopia

11.6991, 11.5380, 21.3491

Deuteranopia

11.8242, 11.6099, 21.0198



Tritanopia

10.8490, 11.6440, 15.0403

Trichromacy



Original Color

12.0297, 11.5847, 21.0041

Protanomaly

11.8884, 11.6356, 21.3580

Deuteranomaly

11.9208, 11.6597, 21.0243

Tritanomaly

11.2273, 11.6594, 16.9880

Monochromacy



Original Color

12.0297, 11.5847, 21.0041

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4654, 11.6789, 15.5599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0297, 11.5847, 21.0041 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(92, 93, 125) looks like.

```
.text, #text, p{  
    color:rgb(92, 93, 125)  
}
```

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(92, 93, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 93, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.0297, 11.5847, 21.0041 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(92, 93, 125) }
```


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

```
.border{ border-color:rgb(92, 93, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 93, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 93, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 93, 125);  
box-shadow:4px 4px 4px 4px rgb(92, 93,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0297, 11.5847, 21.0041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 93, 125) }
```

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

```
.background{ background-color: rgb(92, 93,  
125) }
```

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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