

Converting Colors

XYZ(12.1267, 11.8435, 29.6638)

Have a look what the booklet for
XYZ(12.1267, 11.8435, 29.6638)
contains.

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Color

**XYZ(12.1267, 11.8435,
29.6638)**

Conversions

Conversions Part 1

Format	Color
Hex	476094
RGB	71, 96, 148
RGB Percent	28%, 38%, 58%
CMY	0.7216, 0.6235, 0.4196
CMYK	0.52, 0.35, 0.00, 0.42
HSL	221°, 35%, 43%
HSV	221°, 52%, 58%
XYZ	12.1267, 11.8435, 29.6638
YIQ	94.4530, -31.5920, 10.8720

Conversions

Conversions Part 2

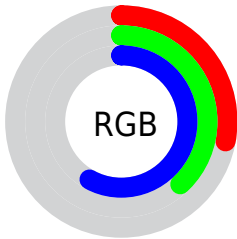
Format	Color
R_{YB}	71, 90, 148
Decimal	4677780
CIE _{Lab}	40.97, 6.17, -31.44
CIE _{LCh}	41, 32.036, 281.101
Yxy	11.8435, 0.2261, 0.2208
Android (android.graphics.Color)	4282867860 (0xFF476094)
YUV	94.4530, 26.3987, -20.5683
Hunter-Lab	34.4144, 2.6734, -27.0155

Details

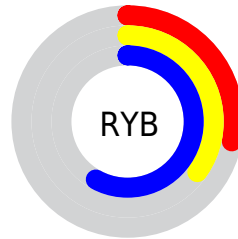
The XYZ color **12.1267, 11.8435, 29.6638** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.4335, 20.9173, 8.9223**, and the grayscale version is **10.6917, 11.2486, 12.2497**.

A 20% lighter version of the original color is **29.2517, 29.1071, 59.9536**, and **3.4363, 3.2154, 11.7488** is the 20% darker color. If you saturate the color by 10%, you get **10.3159, 9.6414, 29.3344**, and if you desaturate by 10%, it is **14.3187, 14.4146, 30.0448**.

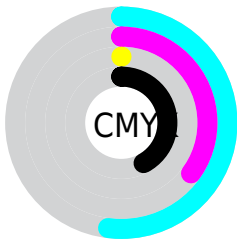
Distribution



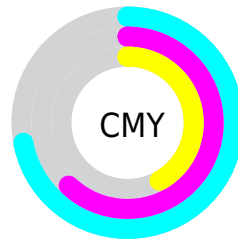
- Red (28%)
- Green (38%)
- Blue (58%)



- Red (28%)
- Yellow (35%)
- Blue (58%)



- Cyan (52%)
- Magenta (35%)
- Yellow (0%)
- Black (42%)



- Cyan (72%)
- Magenta (62%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1267, 11.8435, 29.6638 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 12.1267, 11.8435, 29.6638 by changing the saturation by 10% instead.

■ 12.1267, 11.8435,
29.6638

■ 12.1267, 11.8435,
29.6638

198.9951,
203.3665, 314.4926

■ 6.9028, 6.6372,
19.3337

■ 29.3405, 29.2098,
60.1848

■ 3.4472, 3.2363,
11.7324

■ 42.0612, 42.1385,
81.2127

■ 1.3944, 1.2563,
6.4414

■ 58.0115, 58.4102,
106.6437

■ 0.2523, 0.1070,
3.0422

■ 77.5568, 78.4092,
136.8962

■ 0.0000, 0.0000,
1.1162

■ 101.0624,
102.5199, 172.3888

■ 0.0000, 0.0000,
0.0000

128.8938,

131.1268, 213.5400

161.4162,
164.6142, 260.7684

■ 12.1267, 11.8435,
29.6638

■ 12.1267, 11.8435,
29.6638

■ 10.3159, 9.6414,
29.3344

■ 14.3187, 14.4146,
30.0448

■ 8.8612, 7.7884,
29.0534

■ 16.9123, 17.3709,
30.4787

■ 7.7361, 6.2642,
28.8185

■ 19.9279, 20.7287,
30.9679

■ 6.9095, 5.0454,
28.6268

■ 23.3841, 24.5032,
31.5143

■ 6.4044, 4.2562,
28.5011

■ 27.2983, 28.7087,
32.1197

■ 31.6870, 33.3588,
32.7860

■ 36.5658, 38.4665,
33.5147

■ 41.9496, 44.0442,
34.3075

■ 47.8527, 50.1037,
35.1660

Harmonies

Analogous

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



9.8892, 11.8435, 28.8966



12.1267, 11.8435, 29.6638



14.4088, 11.8435, 24.9327

Triad

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



12.1267, 11.8435, 29.6638



14.9141, 11.8435, 6.2519



7.5818, 11.8435, 9.2250

Complementary

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



12.1267, 11.8435, 29.6638



20.4335, 20.9173, 8.9223

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.



8.6018, 11.8435, 5.5326



12.1267, 11.8435, 29.6638



12.7451, 11.8435, 4.2624

Square

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



12.1267, 11.8435, 29.6638



16.1576, 11.8435, 10.6154



10.4297, 11.8435, 4.0536



7.4633, 11.8435, 15.4809

Rectangle

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



12.1267, 11.8435, 29.6638



15.5716, 11.8435, 20.0053



10.4297, 11.8435, 4.0536



7.8234, 11.8435, 7.7082

Sweetspot

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



12.1271, 11.8439, 29.6641



38.5436, 40.2826, 55.1784



16.7224, 23.9331, 22.2595



8.5418, 8.9149, 12.5554



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.1271, 11.8439, 29.6641



17.8579, 16.5830, 51.6942



11.2403, 8.5223, 29.0697



5.6441, 5.9222, 7.3154



5.4930, 3.6808, 24.3520



0.0918, 0.0942, 0.3063

Inverse Universe

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



16.5777, 11.6474, 12.4412



26.7888, 16.9828, 16.9549



21.7461, 26.7997, 9.9885



5.8738, 5.8446, 6.4416



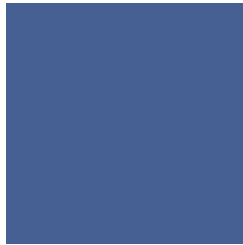
10.8997, 5.5649, 2.9528



0.1458, 0.0731, 0.1015

Previews

White Background



This preview shows how the XYZ color 12.1267, 11.8435, 29.6638 looks on a white background.

Color Contrast Check

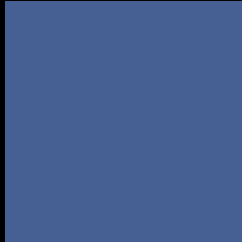
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1267, 11.8435, 29.6638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

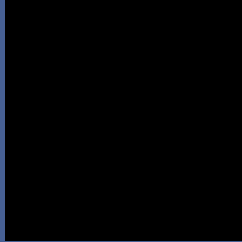
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

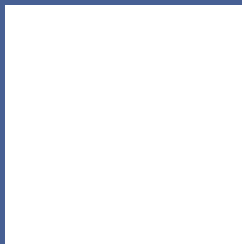
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1267, 11.8435, 29.6638

Background



This preview shows how black text looks on a background with the XYZ color 12.1267, 11.8435, 29.6638.



This preview shows how white text looks on a background with the XYZ color 12.1267, 11.8435,

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

12.1267, 11.8435, 29.6638

Protanopia

12.5006, 11.9107, 29.2439

Deuteranopia

12.1267, 11.8435, 29.6638



Tritanopia

9.5785, 11.8002, 17.1021

Trichromacy



Original Color

12.1267, 11.8435, 29.6638

Protanomaly

12.2603, 11.7869, 29.2327

Deuteranomaly

12.1267, 11.8435, 29.6638

Tritanomaly

10.3087, 11.6518, 21.1077

Monochromacy



Original Color

12.1267, 11.8435, 29.6638

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.9672, 11.3778, 17.5377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1267, 11.8435, 29.6638 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(71, 96, 148)` looks like.

```
.text, #text, p{  
    color:rgb(71, 96, 148)  
}
```

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(71, 96, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 96, 148) }
```

Border

The CSS property to change the border of an element to XYZ 12.1267, 11.8435, 29.6638 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(71, 96, 148) }
```


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

```
.border{ border-color:rgb(71, 96, 148) }
```

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

Here you see how a box with a 4 pixel rgb(71, 96, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 96, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 96, 148);  
box-shadow:4px 4px 4px 4px rgb(71, 96,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1267, 11.8435, 29.6638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 96, 148) }
```

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

```
.background{ background-color: rgb(71, 96,  
148) }
```

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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