

Converting Colors

XYZ(12.0515, 10.5457, 36.1454)

Have a look what the booklet for
XYZ(12.0515, 10.5457, 36.1454)
contains.

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Color

**XYZ(12.0057, 10.4849,
36.0413)**

Conversions

Conversions Part 1

Format	Color
Hex	3E57A3
RGB	62, 87, 163
RGB Percent	24%, 34%, 64%
CMY	0.7568, 0.6588, 0.3608
CMYK	0.62, 0.47, 0.00, 0.36
HSL	225°, 45%, 44%
HSV	225°, 62%, 64%
XYZ	12.0057, 10.4849, 36.0413
YIQ	88.1890, -39.2960, 18.3360

Conversions

Conversions Part 2

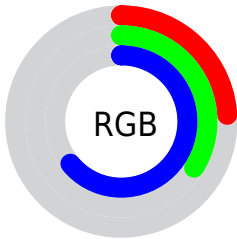
Format	Color
R _{YB}	62, 82, 163
Decimal	4085667
CIE Lab	38.70, 15.10, -44.04
CIE LCh	39, 46.558, 288.926
Yxy	10.4849, 0.2051, 0.1791
Android (android.graphics.Color)	4282275747 (0xFF3E57A3)
YUV	88.1890, 36.8818, -22.9678
Hunter-Lab	32.3804, 9.5169, -43.3270

Details

The XYZ color **12.0057, 10.4849, 36.0413** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **25.0633, 26.3129, 8.3162**, and the grayscale version is **9.2457, 9.7272, 10.5929**.

A 20% lighter version of the original color is **29.0668, 26.5922, 69.9305**, and **3.6972, 2.8036, 15.3852** is the 20% darker color. If you saturate the color by 10%, you get **10.2225, 8.2147, 35.6973**, and if you desaturate by 10%, it is **14.2651, 13.2514, 36.4564**.

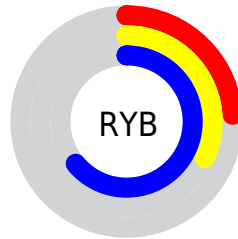
Distribution



Red (24%)

Green (34%)

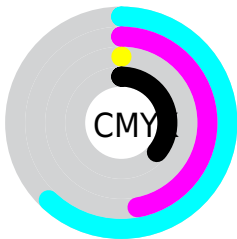
Blue (64%)



Red (24%)

Yellow (32%)

Blue (64%)

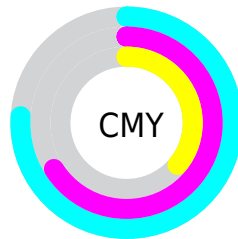


Cyan (62%)

Magenta (47%)

Yellow (0%)

Black (36%)



Cyan (76%)

Magenta (66%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0057, 10.4849, 36.0413 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 12.0057, 10.4849, 36.0413 by changing the saturation by 10% instead.

■ 12.0057, 10.4849,
36.0413

■ 12.0057, 10.4849,
36.0413

198.2122,
194.0987, 344.1839

■ 6.8198, 5.7216,
24.1761

■ 29.1223, 26.7036,
70.2656

■ 3.3950, 2.6766,
15.2509

■ 41.7836, 38.9279,
93.4618

■ 1.3659, 0.9653,
8.8471

■ 57.6675, 54.4079,
121.2721

■ 0.2317, 0.0000,
4.5461

■ 77.1392, 73.5282,
154.1150

■ 0.0000, 0.0000,
1.9295

■ 100.5642, 96.6730,
192.4091

■ 0.0000, 0.0000,
0.5114

128.3078,

■ 0.0000, 0.0000,

124.2267, 236.5729

0.0000

160.7353,
156.5738, 287.0250

■ 12.0057, 10.4849,
36.0413

■ 12.0057, 10.4849,
36.0413

■ 10.2225, 8.2147,
35.6973

■ 14.2651, 13.2514,
36.4564

■ 8.8774, 6.4080,
35.4195

■ 17.0321, 16.5417,
36.9457

■ 7.9277, 5.0293,
35.2034

■ 20.3371, 20.3827,
37.5129

■ 7.3812, 4.1850,
35.0693

■ 24.2073, 24.7988,
38.1613

■ 28.6683, 29.8130,
38.8940

■ 33.7439, 35.4470,
39.7140

■ 39.4567, 41.7214,
40.6240

■ 45.8280, 48.6557,
41.6266

■ 52.8783, 56.2688,
42.7245

Harmonies

Analogous

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



8.8741, 10.4849, 37.3464



12.0057, 10.4849, 36.0413



15.1116, 10.4849, 26.5180

Triad

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



12.0057, 10.4849, 36.0413



14.3695, 10.4849, 2.8253



5.2221, 10.4849, 8.4669

Complementary

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



12.0057, 10.4849, 36.0413



25.0633, 26.3129, 8.3162

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.



6.1447, 10.4849, 3.5211



12.0057, 10.4849, 36.0413



11.1431, 10.4849, 1.5641

Square

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



12.0057, 10.4849, 36.0413



16.6582, 10.4849, 6.7635



8.1708, 10.4849, 1.7288



5.3593, 10.4849, 17.8253

Rectangle

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



12.0057, 10.4849, 36.0413



16.5518, 10.4849, 18.6388



8.1708, 10.4849, 1.7288



5.4095, 10.4849, 6.3521

Sweetspot

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



12.0061, 10.4852, 36.0416



45.3324, 46.6490, 68.6710



19.6537, 29.0466, 28.5213



9.7157, 9.9508, 15.3461



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.0061, 10.4852, 36.0416



17.4008, 13.5171, 63.7481



12.2881, 8.1288, 35.5719



6.8363, 7.1316, 8.9193



5.7679, 3.3152, 27.2657



0.1559, 0.1391, 0.5845

Inverse Universe

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



18.5476, 11.9206, 10.3404



30.4292, 17.4846, 12.3116



24.4071, 31.9245, 9.4339



7.1423, 7.1134, 7.7359



12.0568, 6.1788, 2.2240



0.2709, 0.1368, 0.1390

Previews

White Background



This preview shows how the XYZ color 12.0057, 10.4849, 36.0413 looks on a white background.

Color Contrast Check

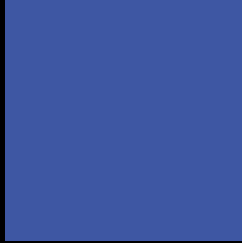
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0057, 10.4849, 36.0413 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 12.0057, 10.4849, 36.0413

Background



This preview shows how black text looks on a background with the XYZ color 12.0057, 10.4849, 36.0413.



This preview shows how white text looks on a background with the XYZ color 12.0057, 10.4849,

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

12.0057, 10.4849, 36.0413

Protanopia

11.7119, 10.4441, 36.5206

Deuteranopia

10.7254, 10.4571, 35.6356



Tritanopia

7.9236, 10.5371, 15.8036

Trichromacy



Original Color

12.0057, 10.4849, 36.0413

Protanomaly

11.8779, 10.5296, 36.5283

Deuteranomaly

10.9771, 10.3330, 35.5983

Tritanomaly

9.0272, 10.2784, 21.9302

Monochromacy



Original Color

12.0057, 10.4849, 36.0413

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.8087, 9.8795, 17.6096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0057, 10.4849, 36.0413 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(62, 87, 163)` looks like.

```
.text, #text, p{  
    color:rgb(62, 87, 163)  
}
```

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(62, 87, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 87, 163) }
```

Border

The CSS property to change the border of an element to XYZ 12.0057, 10.4849, 36.0413 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(62, 87, 163) }
```


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

```
.border{ border-color:rgb(62, 87, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 87, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 87, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 87, 163);  
box-shadow:4px 4px 4px 4px rgb(62, 87,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0057, 10.4849, 36.0413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 87, 163) }
```

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

```
.background{ background-color: rgb(62, 87,  
163) }
```

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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