

Converting Colors

XYZ(11.9698, 13.3271, 28.3276)

Have a look what the booklet for
XYZ(11.9698, 13.3271, 28.3276)
contains.

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Color

**XYZ(12.0367, 13.4285,
28.3431)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6B90
RGB	58, 107, 144
RGB Percent	23%, 42%, 56%
CMY	0.7725, 0.5804, 0.4353
CMYK	0.60, 0.26, 0.00, 0.44
HSL	206°, 43%, 40%
HSV	206°, 60%, 56%
XYZ	12.0367, 13.4285, 28.3431
YIQ	96.5670, -41.0810, 1.1190

Conversions

Conversions Part 2

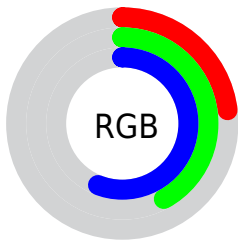
Format	Color
RYB	58, 89, 144
Decimal	3828624
CIELab	43.40, -4.95, -25.28
CIElCh	43, 25.764, 258.913
Yxy	13.4285, 0.2237, 0.2496
Android (android.graphics.Color)	4282018704 (0xFF3A6B90)
YUV	96.5670, 23.3845, -33.8233
Hunter-Lab	36.6449, -5.4970, -20.2066

Details

The XYZ color **12.0367, 13.4285, 28.3431** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.3583, 14.4203, 5.9250**, and the grayscale version is **11.2086, 11.7923, 12.8419**.

A 20% lighter version of the original color is **29.1020, 31.9757, 58.0642**, and **3.5916, 4.0220, 10.9430** is the 20% darker color. If you saturate the color by 10%, you get **10.6908, 11.8100, 28.1019**, and if you desaturate by 10%, it is **13.6641, 15.2612, 28.6113**.

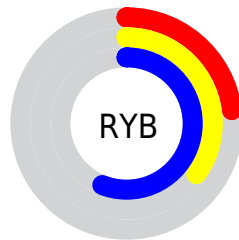
Distribution



Red (23%)

Green (42%)

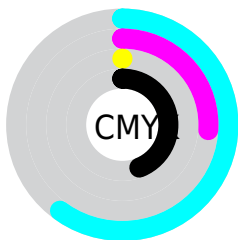
Blue (56%)



Red (23%)

Yellow (35%)

Blue (56%)

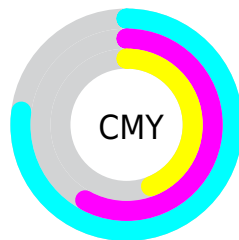


Cyan (60%)

Magenta (26%)

Yellow (0%)

Black (44%)



Cyan (77%)

Magenta (58%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0367, 13.4285, 28.3431 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 12.0367, 13.4285, 28.3431 by changing the saturation by 10% instead.

■ 12.0367, 13.4285,
28.3431

■ 12.0367, 13.4285,
28.3431

198.4131,
213.6459, 308.0661

■ 6.8411, 7.7243,
18.3432

■ 29.1782, 32.0715,
58.0614

■ 3.4083, 3.9190,
11.0247

■ 41.8548, 45.7790,
78.6169

■ 1.3732, 1.6284,
5.9690

■ 57.7557, 62.9231,
103.5280

■ 0.2370, 0.3766,
2.7578

■ 77.2463, 83.8882,
133.2132

■ 0.0000, 0.0000,
0.9723

■ 100.6920,
109.0586, 168.0910

■ 0.0000, 0.0000,
0.0000

128.4581,

138.8188, 208.5801

160.9100,
173.5531, 255.0990

■ 12.0367, 13.4285,
28.3431

■ 12.0367, 13.4285,
28.3431

■ 10.6908, 11.8100,
28.1019

■ 13.6641, 15.2612,
28.6113

■ 9.6038, 10.3921,
27.8855

■ 15.5901, 17.3178,
28.9068

■ 8.7518, 9.1612,
27.6928

■ 17.8323, 19.6088,
29.2308

■ 8.0730, 8.0838,
27.5207

■ 20.4063, 22.1437,
29.5844

■ 8.0547, 8.0549,
27.5160

■ 23.3265, 24.9310,
29.9685

■ 26.6066, 27.9792,
30.3840

■ 30.2594, 31.2960,
30.8317

■ 34.2971, 34.8889,
31.3124

■ 38.7313, 38.7651,
31.8269

Harmonies

Analogous

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



10.3950, 13.4285, 24.6147



12.0367, 13.4285, 28.3431



14.0534, 13.4285, 27.7414

Triad

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



12.0367, 13.4285, 28.3431



16.7663, 13.4285, 11.3285



10.0741, 13.4285, 8.5023

Complementary

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



12.0367, 13.4285, 28.3431



16.3583, 14.4203, 5.9250

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.



11.5548, 13.4285, 6.4697



12.0367, 13.4285, 28.3431



15.4667, 13.4285, 7.7818

Square

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



12.0367, 13.4285, 28.3431



16.9301, 13.4285, 16.8476



13.5187, 13.4285, 6.2460



9.3434, 13.4285, 12.6004

Rectangle

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



12.0367, 13.4285, 28.3431



15.3397, 13.4285, 24.9976



13.5187, 13.4285, 6.2460



10.4930, 13.4285, 7.6063

Sweetspot

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



12.0372, 13.4290, 28.3434



36.6503, 39.6929, 52.2678



13.7317, 21.6516, 14.0068



8.1105, 8.8174, 11.9467



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.0372, 13.4290, 28.3434



18.0838, 19.8498, 49.4163



8.6795, 6.7137, 27.2242



5.3685, 5.7328, 6.8524



7.0377, 7.0614, 23.9691



0.0892, 0.1114, 0.2365

Inverse Universe

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



15.6690, 10.0176, 15.0180



25.4478, 14.4961, 22.0463



21.1877, 24.0792, 7.5348



5.5295, 5.4723, 6.2863



11.3554, 5.6992, 7.5230



0.1196, 0.0589, 0.1302

Previews

White Background



This preview shows how the XYZ color 12.0367, 13.4285, 28.3431 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 12.0367, 13.4285, 28.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

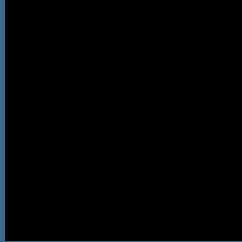
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0367, 13.4285, 28.3431

Background



This preview shows how black text looks on a background with the XYZ color 12.0367, 13.4285, 28.3431.

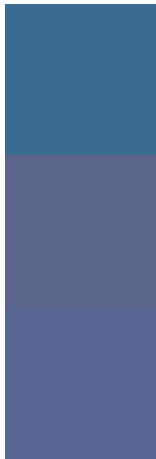


This preview shows how white text looks on a background with the XYZ color 12.0367, 13.4285,

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

12.0367, 13.4285, 28.3431

Protanopia

13.6283, 13.3956, 26.2934

Deuteranopia

13.6023, 13.3301, 28.6441



Tritanopia

10.2935, 13.3533, 19.8042

Trichromacy



Original Color

12.0367, 13.4285, 28.3431

Protanomaly

12.8824, 13.2858, 27.0848

Deuteranomaly

12.9416, 13.2813, 28.6695

Tritanomaly

10.9546, 13.4669, 22.7909

Monochromacy



Original Color

12.0367, 13.4285, 28.3431

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2582, 12.3613, 17.7122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0367, 13.4285, 28.3431 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(58, 107, 144)` looks like.

```
.text, #text, p{  
    color:rgb(58, 107, 144)  
}
```

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(58, 107, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 107, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.0367, 13.4285, 28.3431 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(58, 107, 144) }
```


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

```
.border{ border-color:rgb(58, 107, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 107, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 107, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 107, 144);  
box-shadow:4px 4px 4px 4px rgb(58, 107,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0367, 13.4285, 28.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 107, 144) }
```

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

```
.background{ background-color: rgb(58, 107,  
144) }
```

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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