

Converting Colors

XYZ(11.7915, 12.9566, 28.3059)

Have a look what the booklet for
XYZ(11.7915, 12.9566, 28.3059)
contains.

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Color

**XYZ(11.8305, 13.0163,
28.2744)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6990
RGB	58, 105, 144
RGB Percent	23%, 41%, 56%
CMY	0.7725, 0.5882, 0.4353
CMYK	0.60, 0.27, 0.00, 0.44
HSL	207°, 43%, 40%
HSV	207°, 60%, 56%
XYZ	11.8305, 13.0163, 28.2744
YIQ	95.3930, -40.5310, 2.1650

Conversions

Conversions Part 2

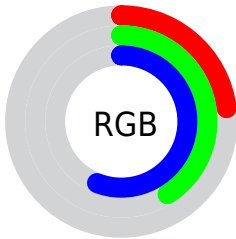
Format	Color
RYB	58, 88, 144
Decimal	3828112
CIELab	42.79, -3.75, -26.24
CIELCh	43, 26.505, 261.868
Yxy	13.0163, 0.2227, 0.2450
Android (android.graphics.Color)	4282018192 (0xFF3A6990)
YUV	95.3930, 23.9633, -32.7937
Hunter-Lab	36.0781, -4.6041, -21.2109

Details

The XYZ color **11.8305, 13.0163, 28.2744** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.5404, 14.7847, 5.9854**, and the grayscale version is **10.9231, 11.4920, 12.5148**.

A 20% lighter version of the original color is **28.7636, 31.2989, 57.9514**, and **3.4888, 3.8164, 10.9087** is the 20% darker color. If you saturate the color by 10%, you get **10.4678, 11.3642, 28.0276**, and if you desaturate by 10%, it is **13.4794, 14.8922, 28.5498**.

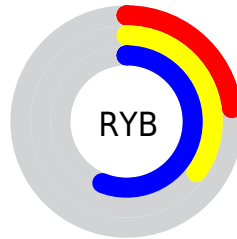
Distribution



Red (23%)

Green (41%)

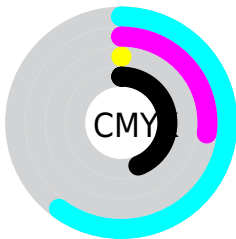
Blue (56%)



Red (23%)

Yellow (35%)

Blue (56%)

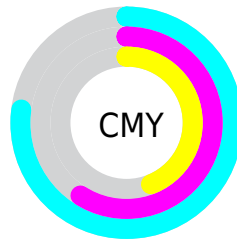


Cyan (60%)

Magenta (27%)

Yellow (0%)

Black (44%)



Cyan (77%)

Magenta (59%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8305, 13.0163, 28.2744 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 11.8305, 13.0163, 28.2744 by changing the saturation by 10% instead.

■ 11.8305, 13.0163,
28.2744

■ 11.8305, 13.0163,
28.2744

197.0728,
211.0221, 307.7289

■ 6.6997, 7.4398,
18.2918

■ 28.8056, 31.3331,
57.9506

■ 3.3197, 3.7386,
10.9881

■ 41.3806, 44.8421,
78.4813

■ 1.3250, 1.5285,
5.9447

■ 57.1677, 61.7641,
103.3650

■ 0.2018, 0.3086,
2.7433

■ 76.5323, 82.4834,
133.0203

■ 0.0000, 0.0000,
0.9651

■ 99.8398, 107.3845,
167.8659

■ 0.0000, 0.0000,
0.0000

127.4555,

136.8517, 208.3201

159.7447,
171.2694, 254.8016

■ 11.8305, 13.0163,
28.2744

■ 11.8305, 13.0163,
28.2744

■ 10.4678, 11.3642,
28.0276

■ 13.4794, 14.8922,
28.5498

■ 9.3686, 9.9219,
27.8071

■ 15.4320, 17.0020,
28.8541

■ 8.5088, 8.6754,
27.6118

■ 17.7059, 19.3564,
29.1887

■ 7.8265, 7.5910,
27.4385

■ 20.3168, 21.9652,
29.5547

■ 7.8083, 7.5621,
27.4339

■ 23.2794, 24.8374,
29.9529

■ 26.6074, 27.9815,
30.3844

■ 30.3139, 31.4057,
30.8500

■ 34.4111, 35.1178,
31.3505

■ 38.9108, 39.1250,
31.8869

Harmonies

Analogous

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



10.1259, 13.0163, 24.8404



11.8305, 13.0163, 28.2744



13.8747, 13.0163, 27.1977

Triad

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



11.8305, 13.0163, 28.2744



16.3356, 13.0163, 10.4216



9.5622, 13.0163, 8.3560

Complementary

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



11.8305, 13.0163, 28.2744



16.5404, 14.7847, 5.9854

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.



10.9812, 13.0163, 6.1557



11.8305, 13.0163, 28.2744



14.9270, 13.0163, 7.1025

Square

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



11.8305, 13.0163, 28.2744



16.6265, 13.0163, 15.8043



12.9290, 13.0163, 5.7693



8.9126, 13.0163, 12.6572

Rectangle

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



11.8305, 13.0163, 28.2744



15.1478, 13.0163, 24.1694



12.9290, 13.0163, 5.7693



9.9572, 13.0163, 7.4005

Sweetspot

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



11.8310, 13.0168, 28.2747



36.5028, 39.3979, 52.2187



13.8623, 21.7039, 14.6952



8.0725, 8.7413, 11.9340



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.



11.8310, 13.0168, 28.2747



17.6818, 19.0458, 49.2823



8.5184, 6.3916, 27.1705



5.3585, 5.7127, 6.8490



6.8232, 6.6325, 23.8977



0.0873, 0.1075, 0.2358

Inverse Universe

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



15.5648, 9.9758, 14.4702



25.2449, 14.4149, 20.9778



21.5999, 24.9037, 7.6719



5.5244, 5.4703, 6.2595



11.2472, 5.6559, 6.9529



0.1187, 0.0585, 0.1251

Previews

White Background



This preview shows how the XYZ color 11.8305, 13.0163, 28.2744 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 11.8305, 13.0163, 28.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

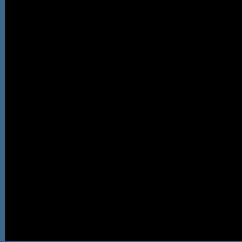
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8305, 13.0163, 28.2744

Background



This preview shows how black text looks on a background with the XYZ color 11.8305, 13.0163, 28.2744.

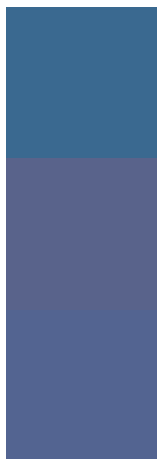


This preview shows how white text looks on a background with the XYZ color 11.8305, 13.0163,

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

11.8305, 13.0163, 28.2744

Protanopia

13.2419, 12.9116, 26.2204

Deuteranopia

13.2353, 12.9977, 28.5993



Tritanopia

10.0780, 13.0881, 19.4479

Trichromacy



Original Color

11.8305, 13.0163, 28.2744

Protanomaly

12.6033, 12.8501, 27.0154

Deuteranomaly

12.6862, 13.0029, 28.6292

Tritanomaly

10.6241, 12.9874, 22.3690

Monochromacy



Original Color

11.8305, 13.0163, 28.2744

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.9222, 11.9098, 17.3459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8305, 13.0163, 28.2744 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, 105, 144)` looks like.

```
.text, #text, p{  
    color:rgb(58, 105, 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, 105, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 105, 144) }
```

Border

The CSS property to change the border of an element to XYZ 11.8305, 13.0163, 28.2744 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, 105, 144) }
```


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

```
.border{ border-color:rgb(58, 105, 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, 105, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 105, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 105, 144);  
box-shadow:4px 4px 4px 4px rgb(58, 105,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8305, 13.0163, 28.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 105, 144) }
```

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

```
.background{ background-color: rgb(58, 105,  
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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