

Converting Colors

XYZ(11.8187, 12.3340, 31.8948)

Have a look what the booklet for
XYZ(11.8187, 12.3340, 31.8948)
contains.

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Color

**XYZ(11.8196, 12.3373,
31.8954)**

Conversions

Conversions Part 1

Format	Color
Hex	346599
RGB	52, 101, 153
RGB Percent	20%, 40%, 60%
CMY	0.7961, 0.6039, 0.4000
CMYK	0.66, 0.34, 0.00, 0.40
HSL	211°, 49%, 40%
HSV	211°, 66%, 60%
XYZ	11.8196, 12.3373, 31.8954
YIQ	92.2770, -45.8960, 5.7840

Conversions

Conversions Part 2

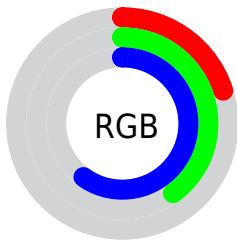
Format	Color
R_{YB}	52, 85, 153
Decimal	3433881
CIE _{Lab}	41.75, 0.66, -33.26
CIE _{LCh}	42, 33.269, 271.135
Yxy	12.3373, 0.2109, 0.2201
Android (android.graphics.Color)	4281623961 (0xFF346599)
YUV	92.2770, 29.9364, -35.3229
Hunter-Lab	35.1245, -1.4016, -29.2522

Details

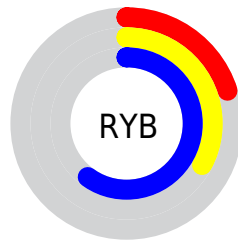
The XYZ color **11.8196, 12.3373, 31.8954** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **18.7078, 16.9220, 5.5297**, and the grayscale version is **10.1777, 10.7077, 11.6607**.

A 20% lighter version of the original color is **28.9201, 30.2617, 63.9914**, and **3.7645, 3.6917, 13.0845** is the 20% darker color. If you saturate the color by 10%, you get **10.4274, 10.5382, 31.6218**, and if you desaturate by 10%, it is **13.5413, 14.4155, 32.2060**.

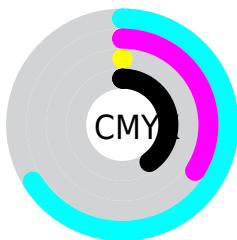
Distribution



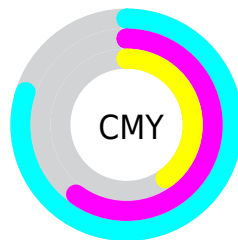
- Red (20%)
- Green (40%)
- Blue (60%)



- Red (20%)
- Yellow (33%)
- Blue (60%)



- Cyan (66%)
- Magenta (34%)
- Yellow (0%)
- Black (40%)



- Cyan (80%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8196, 12.3373, 31.8954 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 11.8196, 12.3373, 31.8954 by changing the saturation by 10% instead.

■ 11.8196, 12.3373,
31.8954

■ 11.8196, 12.3373,
31.8954

■ 197.0017,
206.6257, 325.1205

■ 6.6923, 6.9738,
21.0175

■ 28.7858, 30.1080,
63.7431

■ 3.3150, 3.4457,
12.9454

■ 41.3555, 43.2839,
85.5499

■ 1.3225, 1.3686,
7.2607

■ 57.1366, 59.8329,
111.8367

■ 0.1999, 0.1934,
3.5447

■ 76.4945, 80.1391,
143.0222

■ 0.0000, 0.0000,
1.3791

■ 99.7946, 104.5872,
179.5247

■ 0.0000, 0.0000,
0.1253

■ 127.4023,

■ 0.0000, 0.0000,

133.5613, 221.7629

0.0000

159.6829,
167.4461, 270.1554

■ 11.8196, 12.3373,
31.8954

■ 11.8196, 12.3373,
31.8954

■ 10.4274, 10.5382,
31.6218

■ 13.5413, 14.4155,
32.2060

■ 9.3356, 8.9996,
31.3823

■ 15.6153, 16.7869,
32.5545

■ 8.5060, 7.6988,
31.1750

■ 18.0640, 19.4660,
32.9425

■ 8.2137, 7.2276,
31.0994

■ 20.9071, 22.4659,
33.3717

■ 24.1632, 25.7985,
33.8433

■ 27.8493, 29.4753,
34.3588

■ 31.9816, 33.5070,
34.9192

■ 36.5753, 37.9039,
35.5257

■ 41.6450, 42.6759,
36.1796

Harmonies

Analogous

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



9.5997, 12.3373, 29.0139



11.8196, 12.3373, 31.8954



14.3293, 12.3373, 28.5705

Triad

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



11.8196, 12.3373, 31.8954



16.2289, 12.3373, 7.6042



8.0717, 12.3373, 7.9247

Complementary

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



11.8196, 12.3373, 31.8954



18.7078, 16.9220, 5.5297

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.



9.4592, 12.3373, 4.8893



11.8196, 12.3373, 31.8954



14.1457, 12.3373, 4.7546

Square

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



11.8196, 12.3373, 31.8954



17.0835, 12.3373, 13.1683



11.6334, 12.3373, 3.9668



7.6254, 12.3373, 13.7017

Rectangle

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



11.8196, 12.3373, 31.8954



15.7815, 12.3373, 23.7786



11.6334, 12.3373, 3.9668



8.4330, 12.3373, 6.6313

Sweetspot

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



11.8201, 12.3377, 31.8957



40.6229, 43.5096, 60.2291



15.2311, 24.4822, 16.6243



8.6423, 9.2714, 13.2516



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.8201, 12.3377, 31.8957



17.7208, 17.5626, 56.4279



8.3945, 5.4866, 30.7539



6.1194, 6.4961, 7.8603



6.8216, 6.0398, 25.7140



0.1382, 0.1627, 0.3965

Inverse Universe

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



16.7142, 10.1684, 13.3940



27.6163, 15.0760, 18.5933



25.1483, 29.8030, 7.6766



6.3274, 6.2701, 7.1041



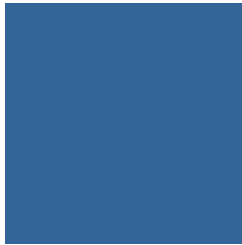
11.9020, 6.0150, 6.0089



0.1962, 0.0972, 0.1860

Previews

White Background



This preview shows how the XYZ color 11.8196, 12.3373, 31.8954 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 11.8196, 12.3373, 31.8954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

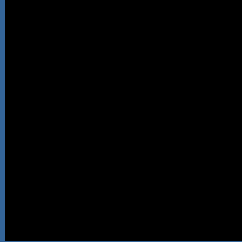
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8196, 12.3373, 31.8954

Background



This preview shows how black text looks on a background with the XYZ color 11.8196, 12.3373, 31.8954.



This preview shows how white text looks on a background with the XYZ color 11.8196, 12.3373,

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

11.8196, 12.3373, 31.8954

Protanopia

12.9160, 12.2411, 30.1158

Deuteranopia

12.5843, 12.2974, 32.2822



Tritanopia

9.1089, 12.2855, 18.7209

Trichromacy



Original Color

11.8196, 12.3373, 31.8954

Protanomaly

12.3985, 12.2395, 30.5631

Deuteranomaly

12.2812, 12.2809, 32.2950

Tritanomaly

9.8802, 12.1269, 22.9391

Monochromacy



Original Color

11.8196, 12.3373, 31.8954

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.1900, 10.9771, 17.5013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8196, 12.3373, 31.8954 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(52, 101, 153)` looks like.

```
.text, #text, p{  
    color:rgb(52, 101, 153)  
}
```

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(52, 101, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 101, 153) }
```

Border

The CSS property to change the border of an element to XYZ 11.8196, 12.3373, 31.8954 is called "border". The border property can be set on classes, ids or directly on the HTML element.

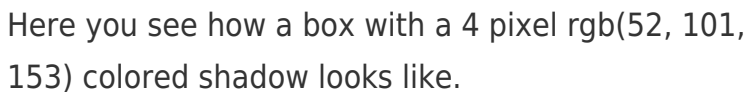
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(52, 101, 153) }
```


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

```
.border{ border-color:rgb(52, 101, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(52, 101, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 101, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 101, 153);  
box-shadow:4px 4px 4px 4px rgb(52, 101,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8196, 12.3373, 31.8954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 101, 153) }
```

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

```
.background{ background-color: rgb(52, 101,  
153) }
```

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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