

Converting Colors

XYZ(11.2812, 11.8739, 30.5516)

Have a look what the booklet for
XYZ(11.2812, 11.8739, 30.5516)
contains.

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Color

**XYZ(11.3288, 11.9693,
30.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	316496
RGB	49, 100, 150
RGB Percent	19%, 39%, 59%
CMY	0.8078, 0.6078, 0.4118
CMYK	0.67, 0.33, 0.00, 0.41
HSL	210°, 51%, 39%
HSV	210°, 67%, 59%
XYZ	11.3288, 11.9693, 30.5674
YIQ	90.4510, -46.4460, 4.7380

Conversions

Conversions Part 2

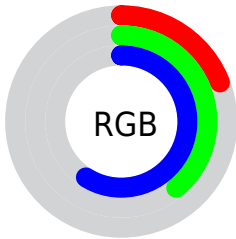
Format	Color
R_{YB}	49, 83, 150
Decimal	3237014
CIE _{Lab}	41.17, -0.34, -32.39
CIE _{LCh}	41, 32.395, 269.391
Yxy	11.9693, 0.2103, 0.2222
Android (android.graphics.Color)	4281427094 (0xFF316496)
YUV	90.4510, 29.3577, -36.3525
Hunter-Lab	34.5967, -2.0937, -28.1672

Details

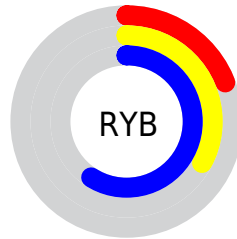
The XYZ color **11.3288, 11.9693, 30.5674** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.5946, 15.6305, 4.9960**, and the grayscale version is **9.7635, 10.2720, 11.1862**.

A 20% lighter version of the original color is **27.9096, 29.5570, 61.3608**, and **3.5713, 3.5392, 12.2993** is the 20% darker color. If you saturate the color by 10%, you get **10.0421, 10.2965, 30.3126**, and if you desaturate by 10%, it is **12.9221, 13.8969, 30.8557**.

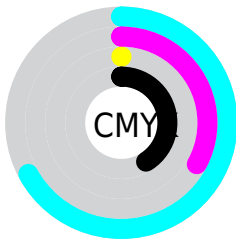
Distribution



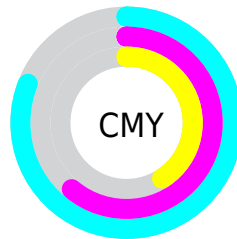
- Red (19%)
- Green (39%)
- Blue (59%)



- Red (19%)
- Yellow (33%)
- Blue (59%)



- Cyan (67%)
- Magenta (33%)
- Yellow (0%)
- Black (41%)



- Cyan (81%)
- Magenta (61%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3288, 11.9693, 30.5674 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 11.3288, 11.9693, 30.5674 by changing the saturation by 10% instead.

■ 11.3288, 11.9693,
30.5674

■ 11.3288, 11.9693,
30.5674

■ 193.7717,
204.2019, 318.8296

■ 6.3574, 6.7228,
20.0140

■ 27.8942, 29.4392,
61.6299

■ 3.1063, 3.2893,
12.2210

■ 40.2188, 42.4313,
82.9761

■ 1.2102, 1.2846,
6.7700

■ 55.7253, 58.7741,
108.7569

■ 0.1144, 0.1292,
3.2424

■ 74.7789, 78.8520,
139.3909

■ 0.0000, 0.0000,
1.2197

■ 97.7449, 103.0493,
175.2966

■ 0.0000, 0.0000,
0.0000

■ 124.9889,

131.7505, 216.8926

156.8760,
165.3399, 264.5974

■ 11.3288, 11.9693,
30.5674

■ 11.3288, 11.9693,
30.5674

■ 10.0421, 10.2965,
30.3126

■ 12.9221, 13.8969,
30.8557

■ 9.0340, 8.8610,
30.0886

■ 14.8440, 16.0926,
31.1782

■ 8.2600, 7.6374,
29.8932

■ 17.1156, 18.5698,
31.5367

■ 8.0716, 7.3352,
29.8448

■ 19.7560, 21.3406,
31.9323

■ 22.7825, 24.4163,
32.3665

■ 26.2114, 27.8073,
32.8403

■ 30.0582, 31.5238,
33.3549

■ 34.3373, 35.5751,
33.9113

■ 39.0623, 39.9704,
34.5107

Harmonies

Analogous

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



9.2413, 11.9693, 27.5154



11.3288, 11.9693, 30.5674



13.7236, 11.9693, 27.7410

Triad

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



11.3288, 11.9693, 30.5674



15.7508, 11.9693, 7.6887



7.9353, 11.9693, 7.5234

Complementary

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



11.3288, 11.9693, 30.5674



17.5946, 15.6305, 4.9960

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.



9.3135, 11.9693, 4.7365



11.3288, 11.9693, 30.5674



13.8175, 11.9693, 4.8064

Square

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



11.3288, 11.9693, 30.5674



16.4787, 11.9693, 13.1697



11.4243, 11.9693, 3.9435



7.4538, 11.9693, 12.8963

Rectangle

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



11.3288, 11.9693, 30.5674



15.1340, 11.9693, 23.3136



11.4243, 11.9693, 3.9435



8.2988, 11.9693, 6.3302

Sweetspot

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



11.3292, 11.9697, 30.5677



38.4948, 41.3674, 56.8771



14.3694, 23.3444, 15.2593



8.2287, 8.8610, 12.5615



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.



11.3292, 11.9697, 30.5677



16.7269, 16.7865, 53.2798



7.9422, 5.1957, 29.4387



5.7270, 6.0879, 7.3430



6.7266, 6.1479, 24.7632



0.1118, 0.1342, 0.3129

Inverse Universe

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



15.9766, 9.6013, 13.0681



26.0102, 14.0179, 17.8838



23.7721, 27.9854, 7.0551



5.9156, 5.8613, 6.6619



11.5223, 5.8140, 6.2316



0.1559, 0.0771, 0.1546

Previews

White Background



This preview shows how the XYZ color 11.3288, 11.9693, 30.5674 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 11.3288, 11.9693, 30.5674 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 11.3288, 11.9693, 30.5674

Background



This preview shows how black text looks on a background with the XYZ color 11.3288, 11.9693, 30.5674.

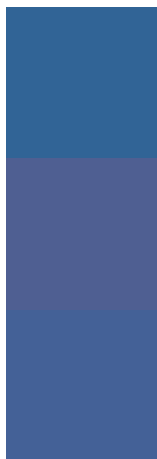


This preview shows how white text looks on a background with the XYZ color 11.3288, 11.9693,

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

11.3288, 11.9693, 30.5674

Protanopia

12.5050, 11.9220, 28.8362

Deuteranopia

12.2445, 12.0127, 30.9515



Tritanopia

8.8361, 11.9960, 18.3727

Trichromacy



Original Color

11.3288, 11.9693, 30.5674

Protanomaly

11.9251, 11.8849, 29.2693

Deuteranomaly

11.8781, 11.9618, 30.9610

Tritanomaly

9.5063, 11.7992, 22.1985

Monochromacy



Original Color

11.3288, 11.9693, 30.5674

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8290, 10.6711, 16.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3288, 11.9693, 30.5674 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(49, 100, 150)` looks like.

```
.text, #text, p{  
    color:rgb(49, 100, 150)  
}
```

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(49, 100, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 100, 150) }
```

Border

The CSS property to change the border of an element to XYZ 11.3288, 11.9693, 30.5674 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(49, 100, 150) }
```


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

```
.border{ border-color:rgb(49, 100, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 100, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 100, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 100, 150);  
box-shadow:4px 4px 4px 4px rgb(49, 100,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3288, 11.9693, 30.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 100, 150) }
```

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

```
.background{ background-color: rgb(49, 100,  
150) }
```

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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