

Converting Colors

XYZ(12.4961, 11.6037, 38.0965)

Have a look what the booklet for
XYZ(12.4961, 11.6037, 38.0965)
contains.

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Color

**XYZ(12.4991, 11.5797,
38.1355)**

Conversions

Conversions Part 1

Format	Color
Hex	365EA7
RGB	54, 94, 167
RGB Percent	21%, 37%, 65%
CMY	0.7882, 0.6314, 0.3451
CMYK	0.68, 0.44, 0.00, 0.35
HSL	219°, 51%, 43%
HSV	219°, 68%, 65%
XYZ	12.4991, 11.5797, 38.1355
YIQ	90.3620, -47.2730, 14.2230

Conversions

Conversions Part 2

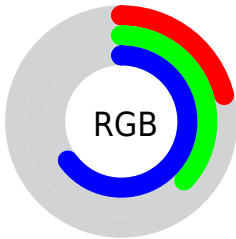
Format	Color
RYB	54, 84, 167
Decimal	3563175
CIELab	40.54, 10.56, -43.50
CIELCh	41, 44.758, 283.641
Yxy	11.5797, 0.2009, 0.1861
Android (android.graphics.Color)	4281753255 (0xFF365EA7)
YUV	90.3620, 37.7825, -31.8895
Hunter-Lab	34.0290, 6.0138, -42.6247

Details

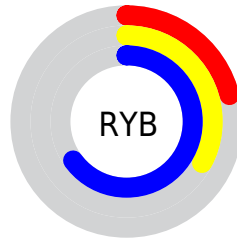
The XYZ color **12.4991, 11.5797, 38.1355** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.1927, 23.6625, 6.7832**, and the grayscale version is **9.7254, 10.2319, 11.1425**.

A 20% lighter version of the original color is **30.1026, 28.7849, 73.7815**, and **4.1356, 3.4115, 16.3601** is the 20% darker color. If you saturate the color by 10%, you get **10.8586, 9.4080, 37.8030**, and if you desaturate by 10%, it is **14.5824, 14.1790, 38.5277**.

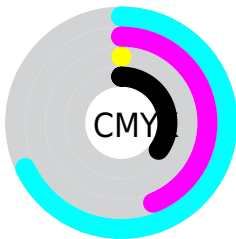
Distribution



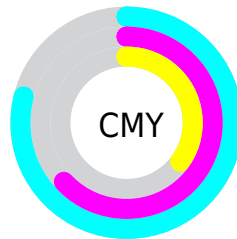
- Red (21%)
- Green (37%)
- Blue (65%)



- Red (21%)
- Yellow (33%)
- Blue (65%)



- Cyan (68%)
- Magenta (44%)
- Yellow (0%)
- Black (35%)



- Cyan (79%)
- Magenta (63%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4991, 11.5797, 38.1355 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 12.4991, 11.5797, 38.1355 by changing the saturation by 10% instead.

■ 12.4991, 11.5797,
38.1355

■ 12.4991, 11.5797,
38.1355

201.3852,
201.6026, 353.5165

■ 7.1592, 6.4582,
25.7852

■ 30.0099, 28.7273,
73.5215

■ 3.6090, 3.1256,
16.4387

■ 42.9116, 41.5221,
97.3943

■ 1.4834, 1.1977,
9.6774

■ 59.0644, 57.6435,
125.9450

■ 0.3145, 0.0598,
5.0828

■ 78.8339, 77.4758,
159.5922

■ 0.0000, 0.0000,
2.2363

■ 102.5854,
101.4035, 198.7544

■ 0.0000, 0.0000,
0.6952

130.6842,

■ 0.0000, 0.0000,

129.8109, 243.8502

0.0000

163.4957,
163.0825, 295.2980

■ 12.4991, 11.5797,
38.1355

■ 12.4991, 11.5797,
38.1355

■ 10.8586, 9.4080,
37.8030

■ 14.5824, 14.1790,
38.5277

■ 9.6209, 7.6348,
37.5260

■ 17.1407, 17.2299,
38.9817

■ 8.7268, 6.2208,
37.3002

■ 20.2045, 20.7556,
39.5008

■ 8.5447, 5.9292,
37.2535

■ 23.8014, 24.7772,
40.0874

■ 27.9565, 29.3144,
40.7442

■ 32.6938, 34.3859,
41.4734

■ 38.0354, 40.0092,
42.2773

■ 44.0023, 46.2010,
43.1579

■ 50.6147, 52.9775,
44.1174

Harmonies

Analogous

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



9.3850, 11.5797, 37.6913



12.4991, 11.5797, 38.1355



15.7440, 11.5797, 29.8148

Triad

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



12.4991, 11.5797, 38.1355



16.0036, 11.5797, 4.0195



6.1528, 11.5797, 8.3221

Complementary

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



12.4991, 11.5797, 38.1355



24.1927, 23.6625, 6.7832

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.



7.3292, 11.5797, 3.7537



12.4991, 11.5797, 38.1355



12.8040, 11.5797, 2.2077

Square

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



12.4991, 11.5797, 38.1355



18.0134, 11.5797, 8.9401



9.6371, 11.5797, 2.1417



6.1024, 11.5797, 17.1635

Rectangle

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



12.4991, 11.5797, 38.1355



17.3829, 11.5797, 21.9978



9.6371, 11.5797, 2.1417



6.4177, 11.5797, 6.3626

Sweetspot

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



12.4996, 11.5801, 38.1358



47.9565, 50.2116, 72.6395



19.0787, 29.9173, 24.3625



10.2758, 10.7395, 16.1835



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



12.4996, 11.5801, 38.1358



18.2962, 15.2370, 67.4520



10.7540, 6.6969, 37.2853



7.3410, 7.7188, 9.5213



6.5810, 4.6222, 28.5208



0.2082, 0.2087, 0.7100

Inverse Universe

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



19.2764, 11.6627, 11.8250



31.8048, 17.2977, 14.5799



27.4215, 34.5731, 8.7189



7.6367, 7.5845, 8.4040



12.8224, 6.5377, 3.8762



0.3363, 0.1688, 0.2222

Previews

White Background



This preview shows how the XYZ color 12.4991, 11.5797, 38.1355 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 12.4991, 11.5797, 38.1355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

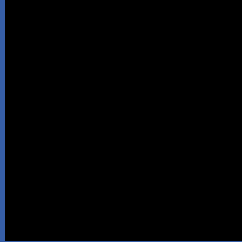
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4991, 11.5797, 38.1355

Background



This preview shows how black text looks on a background with the XYZ color 12.4991, 11.5797, 38.1355.



This preview shows how white text looks on a background with the XYZ color 12.4991, 11.5797,

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

12.4991, 11.5797, 38.1355

Protanopia

12.7839, 11.6060, 37.6428

Deuteranopia

11.7934, 11.4940, 37.6734



Tritanopia

8.2789, 11.5681, 17.7161

Trichromacy



Original Color

12.4991, 11.5797, 38.1355

Protanomaly

12.6009, 11.5117, 37.6342

Deuteranomaly

11.9714, 11.4512, 37.6557

Tritanomaly

9.3617, 11.3904, 23.8955

Monochromacy



Original Color

12.4991, 11.5797, 38.1355

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.0717, 10.3680, 18.6099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4991, 11.5797, 38.1355 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(54, 94, 167)` looks like.

```
.text, #text, p{  
    color:rgb(54, 94, 167)  
}
```

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(54, 94, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 94, 167) }
```

Border

The CSS property to change the border of an element to XYZ 12.4991, 11.5797, 38.1355 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(54, 94, 167) }
```


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

```
.border{ border-color:rgb(54, 94, 167) }
```

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

Here you see how a box with a 4 pixel rgb(54, 94, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 94, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 94, 167);  
box-shadow:4px 4px 4px 4px rgb(54, 94,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4991, 11.5797, 38.1355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 94, 167) }
```

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

```
.background{ background-color: rgb(54, 94,  
167) }
```

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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