

Converting Colors

XYZ(12.0991, 11.4958, 32.5916)

Have a look what the booklet for
XYZ(12.0991, 11.4958, 32.5916)
contains.

XYZ(12.0991, 11.4958, 32.5916)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.0991, 11.4958,
32.5916)**

Conversions

Conversions Part 1

Format	Color
Hex	415E9B
RGB	65, 94, 155
RGB Percent	25%, 37%, 61%
CMY	0.7451, 0.6314, 0.3922
CMYK	0.58, 0.39, 0.00, 0.39
HSL	221°, 41%, 43%
HSV	221°, 58%, 61%
XYZ	12.0991, 11.4958, 32.5916
YIQ	92.2830, -36.8650, 12.8230

Conversions

Conversions Part 2

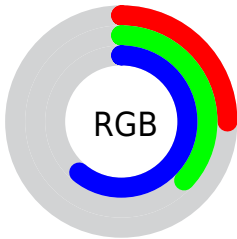
Format	Color
R_{YB}	65, 87, 155
Decimal	4284059
CIE _{Lab}	40.40, 8.40, -36.54
CIE _{LCh}	40, 37.493, 282.952
Yxy	11.4958, 0.2153, 0.2046
Android (android.graphics.Color)	4282474139 (0xFF415E9B)
YUV	92.2830, 30.9195, -23.9272
Hunter-Lab	33.9055, 4.3628, -33.2587

Details

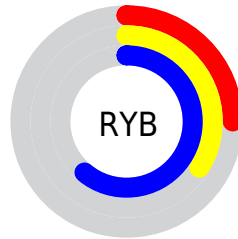
The XYZ color **12.0991, 11.4958, 32.5916** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.9333, 22.2731, 8.1449**, and the grayscale version is **10.1754, 10.7053, 11.6580**.

A 20% lighter version of the original color is **29.3518, 28.5927, 64.9447**, and **3.5465, 3.1759, 13.2581** is the 20% darker color. If you saturate the color by 10%, you get **10.3388, 9.2947, 32.2598**, and if you desaturate by 10%, it is **14.2690, 14.0972, 32.9796**.

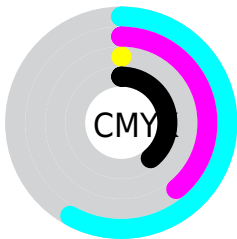
Distribution



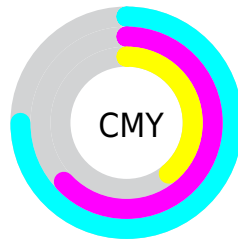
- Red (25%)
- Green (37%)
- Blue (61%)



- Red (25%)
- Yellow (34%)
- Blue (61%)



- Cyan (58%)
- Magenta (39%)
- Yellow (0%)
- Black (39%)



- Cyan (75%)
- Magenta (63%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0991, 11.4958, 32.5916 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 12.0991, 11.4958, 32.5916 by changing the saturation by 10% instead.

■ 12.0991, 11.4958,
32.5916

■ 12.0991, 11.4958,
32.5916

■ 198.8168,
201.0382, 328.3808

■ 6.8839, 6.4014,
21.5452

■ 29.2908, 28.5734,
64.8460

■ 3.4353, 3.0906,
13.3280

■ 41.9979, 41.3254,
86.8912

■ 1.3879, 1.1792,
7.5214

■ 57.9331, 57.3986,
113.4396

■ 0.2476, 0.0446,
3.7069

■ 77.4617, 77.1776,
144.9100

■ 0.0000, 0.0000,
1.4660

■ 100.9489,
101.0466, 181.7207

■ 0.0000, 0.0000,
0.1924

128.7603,

■ 0.0000, 0.0000,

129.3901, 224.2904

0.0000

161.2612,
162.5925, 273.0376

■ 12.0991, 11.4958,
32.5916

■ 12.0991, 11.4958,
32.5916

■ 10.3388, 9.2947,
32.2598

■ 14.2690, 14.0972,
32.9796

■ 8.9581, 7.4704,
31.9804

■ 16.8731, 17.1181,
33.4254

■ 7.9245, 5.9981,
31.7507

■ 19.9352, 20.5780,
33.9319

■ 7.1810, 4.8399,
31.5663

■ 23.4773, 24.4944,
34.5011

■ 7.0545, 4.6427,
31.5349

■ 27.5196, 28.8840,
35.1354

■ 32.0813, 33.7627,
35.8366

■ 37.1804, 39.1454,
36.6068

■ 42.8342, 45.0464,
37.4478

■ 49.0590, 51.4795,
38.3615

Harmonies

Analogous

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



9.5104, 11.4958, 32.0874



12.0991, 11.4958, 32.5916



14.7456, 11.4958, 26.3849

Triad

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



12.0991, 11.4958, 32.5916



15.0597, 11.4958, 5.0167



6.7709, 11.4958, 8.7343

Complementary

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



12.0991, 11.4958, 32.5916



21.9333, 22.2731, 8.1449

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.



7.8312, 11.4958, 4.6294



12.0991, 11.4958, 32.5916



12.4764, 11.4958, 3.1506

Square

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



12.0991, 11.4958, 32.5916



16.6305, 11.4958, 9.5443



9.8321, 11.4958, 3.0451



6.7032, 11.4958, 16.0505

Rectangle

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



12.0991, 11.4958, 32.5916



16.0754, 11.4958, 20.3221



9.8321, 11.4958, 3.0451



7.0142, 11.4958, 7.0203

Sweetspot

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



12.0995, 11.4962, 32.5919



42.5427, 44.4114, 61.8663



17.6035, 26.0476, 23.5026



9.3472, 9.7431, 13.9583



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.0995, 11.4962, 32.5919



17.6261, 15.4938, 57.5979



11.1156, 7.8534, 31.9406



6.0389, 6.3351, 7.8335



5.6977, 3.7920, 25.3393



0.1156, 0.1176, 0.3890

Inverse Universe

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



17.4287, 11.5579, 11.9023



28.4420, 16.7954, 15.3430



23.4912, 29.4002, 9.4384



6.2867, 6.2539, 6.8901



11.3347, 5.7881, 3.0215



0.1848, 0.0927, 0.1261

Previews

White Background



This preview shows how the XYZ color 12.0991, 11.4958, 32.5916 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 12.0991, 11.4958, 32.5916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

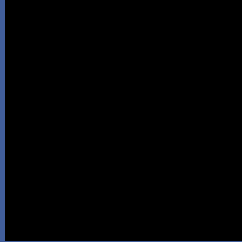
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0991, 11.4958, 32.5916

Background



This preview shows how black text looks on a background with the XYZ color 12.0991, 11.4958, 32.5916.



This preview shows how white text looks on a background with the XYZ color 12.0991, 11.4958,

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

12.0991, 11.4958, 32.5916

Protanopia

12.3456, 11.5014, 32.1412

Deuteranopia

11.7535, 11.4505, 32.6010



Tritanopia

8.9472, 11.4747, 17.0725

Trichromacy



Original Color

12.0991, 11.4958, 32.5916

Protanomaly

12.2013, 11.4270, 32.1344

Deuteranomaly

11.9331, 11.5431, 32.6094

Tritanomaly

9.9748, 11.4571, 22.1078

Monochromacy



Original Color

12.0991, 11.4958, 32.5916

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.4885, 10.8603, 17.7631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0991, 11.4958, 32.5916 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(65, 94, 155)` looks like.

```
.text, #text, p{  
    color:rgb(65, 94, 155)  
}
```

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(65, 94, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 94, 155) }
```

Border

The CSS property to change the border of an element to XYZ 12.0991, 11.4958, 32.5916 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(65, 94, 155) }
```


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

```
.border{ border-color:rgb(65, 94, 155) }
```

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

Here you see how a box with a 4 pixel rgb(65, 94, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 94, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 94, 155);  
box-shadow:4px 4px 4px 4px rgb(65, 94,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0991, 11.4958, 32.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 94, 155) }
```

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

```
.background{ background-color: rgb(65, 94,  
155) }
```

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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