

Converting Colors

XYZ(11.6480, 11.0109, 35.3287)

Have a look what the booklet for
XYZ(11.6480, 11.0109, 35.3287)
contains.

XYZ(11.6628, 11.0800, 35.2422)	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(11.6628, 11.0800,
35.2422)**

Conversions

Conversions Part 1

Format	Color
Hex	325DA1
RGB	50, 93, 161
RGB Percent	20%, 36%, 63%
CMY	0.8039, 0.6353, 0.3686
CMYK	0.69, 0.42, 0.00, 0.37
HSL	217°, 53%, 41%
HSV	217°, 69%, 63%
XYZ	11.6628, 11.0800, 35.2422
YIQ	87.8950, -47.4560, 12.0320

Conversions

Conversions Part 2

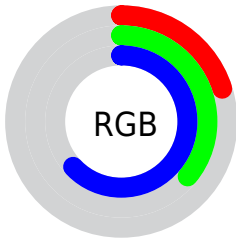
Format	Color
R_{YB}	50, 81, 161
Decimal	3300769
CIE _{Lab}	39.71, 8.31, -41.26
CIE _{LCh}	40, 42.088, 281.388
Yxy	11.0800, 0.2011, 0.1911
Android (android.graphics.Color)	4281490849 (0xFF325DA1)
YUV	87.8950, 36.0408, -33.2339
Hunter-Lab	33.2866, 4.2903, -39.4726




Details

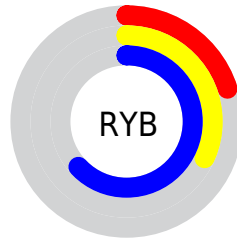
The XYZ color **11.6628, 11.0800, 35.2422** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.7533, 20.7662, 5.8802**, and the grayscale version is **9.1849, 9.6632, 10.5233**.




A 20% lighter version of the original color is **28.5238, 27.8540, 68.8387**, and **3.8173, 3.2180, 14.8879** is the 20% darker color. If you saturate the color by 10%, you get **10.1935, 9.1192, 34.9414**, and if you desaturate by 10%, it is **13.5239, 13.4088, 35.5939**.

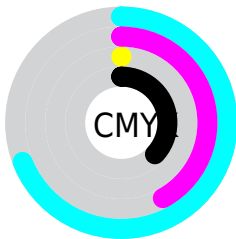
Distribution







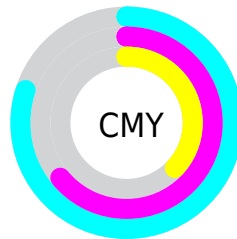
-  Red (20%)
-  Green (36%)
-  Blue (63%)






-  Red (20%)
-  Yellow (32%)
-  Blue (63%)



-  Cyan (69%)
-  Magenta (42%)
-  Yellow (0%)
-  Black (37%)



-  Cyan (80%)
-  Magenta (64%)
-  Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6628, 11.0800, 35.2422 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 11.6628, 11.0800, 35.2422 by changing the saturation by 10% instead.

■ 11.6628, 11.0800,
35.2422

■ 11.6628, 11.0800,
35.2422

195.9758,
198.2156, 340.5728

■ 6.5851, 6.1207,
23.5645

■ 28.5017, 27.8080,
69.0166

■ 3.2480, 2.9186,
14.8016

■ 40.9935, 40.3455,
91.9504

■ 1.2862, 1.0894,
8.5352

■ 56.6875, 56.1778,
119.4732

■ 0.1729, 0.0000,
4.3466

■ 75.9488, 75.6893,
152.0037

■ 0.0000, 0.0000,
1.8174

■ 99.1430, 99.2644,
189.9604

■ 0.0000, 0.0000,
0.4394

126.6353,

■ 0.0000, 0.0000,

127.2876, 233.7618

0.0000

158.7911,
160.1432, 283.8264

■ 11.6628, 11.0800,
35.2422

■ 11.6628, 11.0800,
35.2422

■ 10.1935, 9.1192,
34.9414

■ 13.5239, 13.4088,
35.5939

■ 9.0795, 7.5010,
34.6878

■ 15.8057, 16.1261,
35.9981

■ 8.2547, 6.1848,
34.4772

■ 18.5358, 19.2519,
36.4575

■ 8.1755, 6.0581,
34.4569

■ 21.7389, 22.8044,
36.9744

■ 25.4377, 26.8005,
37.5508

■ 29.6535, 31.2560,
38.1886

■ 34.4062, 36.1861,
38.8897

■ 39.7147, 41.6051,
39.6559

■ 45.5968, 47.5266,
40.4888

Harmonies

Analogous

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



8.8611, 11.0800, 34.1961



11.6628, 11.0800, 35.2422



14.6326, 11.0800, 28.3003

Triad

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



11.6628, 11.0800, 35.2422



15.2554, 11.0800, 4.3238



6.1071, 11.0800, 7.6780

Complementary

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



11.6628, 11.0800, 35.2422



21.7533, 20.7662, 5.8802

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.



7.2782, 11.0800, 3.6495



11.6628, 11.0800, 35.2422



12.3990, 11.0800, 2.4125

Square

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



11.6628, 11.0800, 35.2422



16.9451, 11.0800, 9.1961



9.4753, 11.0800, 2.2400



5.9824, 11.0800, 15.4741

Rectangle

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



11.6628, 11.0800, 35.2422



16.1782, 11.0800, 21.3625



9.4753, 11.0800, 2.2400



6.3799, 11.0800, 5.9524

Sweetspot

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



11.6633, 11.0804, 35.2425



43.8459, 46.1650, 66.9863



17.2484, 27.4433, 21.0956



9.2365, 9.7158, 14.6322



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



11.6633, 11.0804, 35.2425



17.0605, 14.6307, 62.3113



9.5051, 5.8506, 34.3468



6.9149, 7.2889, 8.9455



6.5667, 4.9128, 27.5319



0.1830, 0.1933, 0.5935

Inverse Universe

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



17.8148, 10.6493, 11.4727



29.3768, 15.7791, 14.2695



25.8804, 32.1950, 7.8687



7.1820, 7.1293, 7.9450



12.4600, 6.3401, 4.3471



0.2845, 0.1423, 0.2110

Previews

White Background



This preview shows how the XYZ color 11.6628, 11.0800, 35.2422 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 11.6628, 11.0800, 35.2422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

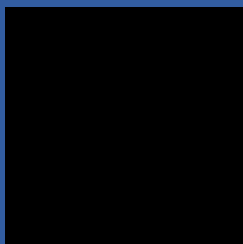
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6628, 11.0800, 35.2422

Background



This preview shows how black text looks on a background with the XYZ color 11.6628, 11.0800, 35.2422.



This preview shows how white text looks on a background with the XYZ color 11.6628, 11.0800,

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

11.6628, 11.0800, 35.2422

Protanopia

12.1134, 11.0754, 34.3002

Deuteranopia

11.3502, 11.0500, 35.2529



Tritanopia

7.8749, 11.0705, 17.0510

Trichromacy



Original Color

11.6628, 11.0800, 35.2422

Protanomaly

11.9759, 11.1222, 34.7733

Deuteranomaly

11.4744, 11.1141, 35.2587

Tritanomaly

8.8359, 10.8546, 22.7485

Monochromacy



Original Color

11.6628, 11.0800, 35.2422

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.5747, 10.0060, 17.6464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6628, 11.0800, 35.2422 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(50, 93, 161)` looks like.

```
.text, #text, p{  
  color:rgb(50, 93, 161)  
}
```

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(50, 93, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 93, 161) }
```

Border

The CSS property to change the border of an element to XYZ 11.6628, 11.0800, 35.2422 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(50, 93, 161) }
```


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

```
.border{ border-color:rgb(50, 93, 161) }
```

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

Here you see how a box with a 4 pixel rgb(50, 93, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 93, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 93, 161);  
box-shadow:4px 4px 4px 4px rgb(50, 93,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6628, 11.0800, 35.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 93, 161) }
```

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

```
.background{ background-color: rgb(50, 93,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor