

Converting Colors

XYZ(11.8888, 11.2108, 33.4351)

Have a look what the booklet for
XYZ(11.8888, 11.2108, 33.4351)
contains.

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Color

**XYZ(11.9246, 11.2551,
33.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	3D5D9D
RGB	61, 93, 157
RGB Percent	24%, 36%, 62%
CMY	0.7608, 0.6353, 0.3843
CMYK	0.61, 0.41, 0.00, 0.38
HSL	220°, 44%, 43%
HSV	220°, 61%, 62%
XYZ	11.9246, 11.2551, 33.4422
YIQ	90.7280, -39.6160, 13.1200

Conversions

Conversions Part 2

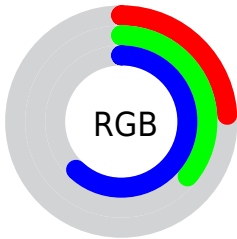
Format	Color
R_{YB}	61, 85, 157
Decimal	4021661
CIE Lab	40.01, 8.90, -38.38
CIE LCh	40, 39.395, 283.053
Yxy	11.2551, 0.2106, 0.1988
Android (android.graphics.Color)	4282211741 (0xFF3D5D9D)
YUV	90.7280, 32.6721, -26.0715
Hunter-Lab	33.5486, 4.7364, -35.6179

Details

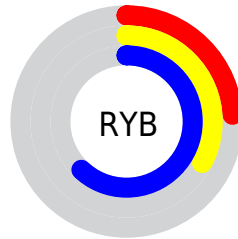
The XYZ color **11.9246, 11.2551, 33.4422** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.0813, 22.1734, 7.5317**, and the grayscale version is **9.8175, 10.3288, 11.2480**.

A 20% lighter version of the original color is **29.0422, 28.1803, 66.1960**, and **3.6068, 3.1338, 13.7794** is the 20% darker color. If you saturate the color by 10%, you get **10.2392, 9.1146, 33.1181**, and if you desaturate by 10%, it is **14.0196, 13.7938, 33.8220**.

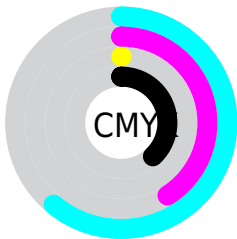
Distribution



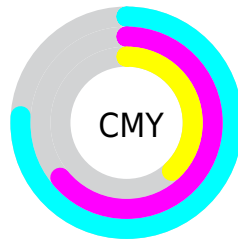
- Red (24%)
- Green (36%)
- Blue (62%)



- Red (24%)
- Yellow (33%)
- Blue (62%)



- Cyan (61%)
- Magenta (41%)
- Yellow (0%)
- Black (38%)



- Cyan (76%)
- Magenta (64%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9246, 11.2551, 33.4422 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 11.9246, 11.2551, 33.4422 by changing the saturation by 10% instead.

■ 11.9246, 11.2551,
33.4422

■ 11.9246, 11.2551,
33.4422

197.6856,
199.4094, 332.3305

■ 6.7642, 6.2387,
22.1915

■ 28.9758, 28.1309,
66.1892

■ 3.3601, 2.9908,
13.7980

■ 41.5972, 40.7591,
88.5227

■ 1.3469, 1.1269,
7.8432

■ 57.4364, 56.6934,
115.3875

■ 0.2179, 0.0008,
3.9084

■ 76.8586, 76.3181,
147.2022

■ 0.0000, 0.0000,
1.5753

■ 100.2293,
100.0177, 184.3853

■ 0.0000, 0.0000,
0.2731

127.9138,

■ 0.0000, 0.0000,

128.1765, 227.3554

0.0000

160.2775,
161.1790, 276.5309

■ 11.9246, 11.2551,
33.4422

■ 11.9246, 11.2551,
33.4422

■ 10.2392, 9.1146,
33.1181

■ 14.0196, 13.7938,
33.8220

■ 8.9315, 7.3478,
32.8460

■ 16.5500, 16.7506,
34.2594

■ 7.9664, 5.9288,
32.6230

■ 19.5411, 20.1454,
34.7570

■ 7.3286, 4.9198,
32.4618

■ 23.0156, 23.9964,
35.3172

■ 26.9947, 28.3207,
35.9421

■ 31.4983, 33.1343,
36.6339

■ 36.5452, 38.4525,
37.3944

■ 42.1533, 44.2902,
38.2256

■ 48.3395, 50.6611,
39.1293

Harmonies

Analogous

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



9.2426, 11.2551, 32.9298



11.9246, 11.2551, 33.4422



14.6860, 11.2551, 26.8067

Triad

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



11.9246, 11.2551, 33.4422



14.9990, 11.2551, 4.6026



6.4292, 11.2551, 8.3823

Complementary

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



11.9246, 11.2551, 33.4422



22.0813, 22.1734, 7.5317

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.



7.5059, 11.2551, 4.2376



11.9246, 11.2551, 33.4422



12.2979, 11.2551, 2.7782

Square

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



11.9246, 11.2551, 33.4422



16.6535, 11.2551, 9.1699



9.5579, 11.2551, 2.6813



6.3639, 11.2551, 15.9642

Rectangle

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



11.9246, 11.2551, 33.4422



16.0782, 11.2551, 20.3858



9.5579, 11.2551, 2.6813



6.6753, 11.2551, 6.6371

Sweetspot

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



11.9250, 11.2555, 33.4425



43.1190, 45.0543, 63.5505



17.6836, 26.5871, 23.6025



9.0809, 9.4685, 13.9194



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.



11.9250, 11.2555, 33.4425



17.5017, 15.2196, 59.1420



10.8157, 7.3503, 32.7472



6.4564, 6.7785, 8.3748



5.9833, 4.0582, 26.3752



0.1437, 0.1461, 0.4838

Inverse Universe

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



17.5495, 11.2965, 11.6116



28.8071, 16.5914, 14.9724



23.8842, 30.1139, 8.9693



6.7197, 6.6808, 7.3751



11.8183, 6.0319, 3.2942



0.2299, 0.1153, 0.1566

Previews

White Background



This preview shows how the XYZ color 11.9246, 11.2551, 33.4422 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 11.9246, 11.2551, 33.4422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

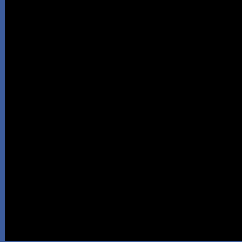
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9246, 11.2551, 33.4422

Background



This preview shows how black text looks on a background with the XYZ color 11.9246, 11.2551, 33.4422.



This preview shows how white text looks on a background with the XYZ color 11.9246, 11.2551,

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

11.9246, 11.2551, 33.4422

Protanopia

12.2118, 11.2835, 32.9868

Deuteranopia

11.5942, 11.3488, 33.4777



Tritanopia

8.5562, 11.2795, 16.7651

Trichromacy



Original Color

11.9246, 11.2551, 33.4422

Protanomaly

12.0079, 11.1784, 32.9773

Deuteranomaly

11.6641, 11.2520, 33.4554

Tritanomaly

9.5304, 11.0865, 22.0597

Monochromacy



Original Color

11.9246, 11.2551, 33.4422

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.2299, 10.5976, 17.7260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9246, 11.2551, 33.4422 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(61, 93, 157)` looks like.

```
.text, #text, p{  
    color:rgb(61, 93, 157)  
}
```

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(61, 93, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 93, 157) }
```

Border

The CSS property to change the border of an element to XYZ 11.9246, 11.2551, 33.4422 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(61, 93, 157) }
```


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

```
.border{ border-color:rgb(61, 93, 157) }
```

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

Here you see how a box with a 4 pixel rgb(61, 93, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 93, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 93, 157);  
box-shadow:4px 4px 4px 4px rgb(61, 93,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9246, 11.2551, 33.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 93, 157) }
```

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

```
.background{ background-color: rgb(61, 93,  
157) }
```

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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