

Converting Colors

XYZ(12.9741, 11.3384, 35.0613)

Have a look what the booklet for
XYZ(12.9741, 11.3384, 35.0613)
contains.

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Color

**XYZ(13.0697, 11.4220,
35.2340)**

Conversions

Conversions Part 1

Format	Color
Hex	4C5AA1
RGB	76, 90, 161
RGB Percent	30%, 35%, 63%
CMY	0.7019, 0.6471, 0.3686
CMYK	0.53, 0.44, 0.00, 0.37
HSL	230°, 36%, 46%
HSV	230°, 53%, 63%
XYZ	13.0697, 11.4220, 35.2340
YIQ	93.9080, -31.1350, 19.1130

Conversions

Conversions Part 2

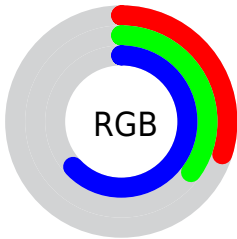
Format	Color
R_{YB}	76, 88, 161
Decimal	5003937
CIE _{Lab}	40.28, 15.48, -40.27
CIE _{LCh}	40, 43.142, 291.025
Yxy	11.4220, 0.2188, 0.1912
Android (android.graphics.Color)	4283194017 (0xFF4C5AA1)
YUV	93.9080, 33.0764, -15.7053
Hunter-Lab	33.7964, 9.8854, -38.1544

Details

The XYZ color **13.0697, 11.4220, 35.2340** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.4371, 28.9678, 11.0363**, and the grayscale version is **10.5477, 11.0970, 12.0846**.

A 20% lighter version of the original color is **30.9787, 28.4599, 68.8263**, and **3.8798, 3.0743, 14.8569** is the 20% darker color. If you saturate the color by 10%, you get **10.9134, 8.7762, 34.8372**, and if you desaturate by 10%, it is **15.7523, 14.6441, 35.7148**.

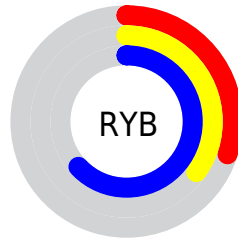
Distribution



Red (30%)

Green (35%)

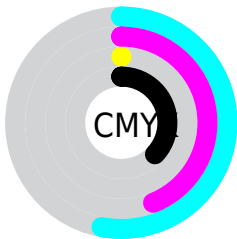
Blue (63%)



Red (30%)

Yellow (35%)

Blue (63%)

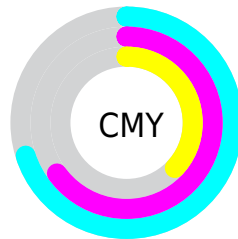


Cyan (53%)

Magenta (44%)

Yellow (0%)

Black (37%)



Cyan (70%)

Magenta (65%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0697, 11.4220, 35.2340 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 13.0697, 11.4220, 35.2340 by changing the saturation by 10% instead.

■ 13.0697, 11.4220,
35.2340

■ 13.0697, 11.4220,
35.2340

204.9925,
200.5403, 340.5356

■ 7.5539, 6.3514,
23.5582

■ 31.0292, 28.4379,
69.0038

■ 3.8602, 3.0599,
14.7970

■ 44.2036, 41.1521,
91.9349

■ 1.6234, 1.1631,
8.5320

■ 60.6616, 57.1828,
119.4547

■ 0.4076, 0.0313,
4.3446

■ 80.7685, 76.9147,
151.9820

■ 0.0000, 0.0000,
1.8162

■ 104.8896,
100.7319, 189.9352

■ 0.0000, 0.0000,
0.4386

133.3905,

■ 0.0000, 0.0000,

129.0190, 233.7328

0.0000

166.6363,
162.1603, 283.7934

■ 13.0697, 11.4220,
35.2340

■ 13.0697, 11.4220,
35.2340

■ 10.9134, 8.7762,
34.8372

■ 15.7523, 14.6441,
35.7148

■ 9.2466, 6.6708,
34.5187

■ 18.9918, 18.4732,
36.2831

■ 8.0298, 5.0677,
34.2734

■ 22.8183, 22.9389,
36.9434

■ 7.2163, 3.9228,
34.0952

■ 27.2591, 28.0688,
37.6995

■ 6.8139, 3.3349,
34.0030

■ 32.3398, 33.8886,
38.5551

■ 38.0846, 40.4229,
39.5135

■ 44.5164, 47.6948,
40.5782

■ 51.6571, 55.7265,
41.7521

■ 59.5274, 64.5393,
43.0383

Harmonies

Analogous

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



9.9776, 11.4220, 37.0696



13.0697, 11.4220, 35.2340



16.0102, 11.4220, 26.0592

Triad

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



13.0697, 11.4220, 35.2340



14.9219, 11.4220, 3.4847



6.0814, 11.4220, 10.0243

Complementary

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



13.0697, 11.4220, 35.2340



26.4371, 28.9678, 11.0363

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.



6.9473, 11.4220, 4.6490



13.0697, 11.4220, 35.2340



11.7851, 11.4220, 2.1941

Square

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



13.0697, 11.4220, 35.2340



17.2096, 11.4220, 7.3841



8.9080, 11.4220, 2.4900



6.2977, 11.4220, 19.3877

Rectangle

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



13.0697, 11.4220, 35.2340



17.3062, 11.4220, 18.6473



8.9080, 11.4220, 2.4900



6.2486, 11.4220, 7.7853

Sweetspot

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



13.0702, 11.4224, 35.2343



45.9001, 46.9071, 67.0213



20.9793, 29.1280, 32.0523



9.7307, 9.8996, 14.6416



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.



13.0702, 11.4224, 35.2343



19.0787, 15.1364, 62.3026



14.7659, 10.7060, 35.0066



6.7904, 7.0397, 8.9040



5.4632, 2.7057, 27.1641



0.1399, 0.1070, 0.5791

Inverse Universe

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



19.1283, 13.4848, 11.2677



31.2574, 19.8311, 13.9996



23.6702, 30.9714, 11.5689



7.1192, 7.1041, 7.6139



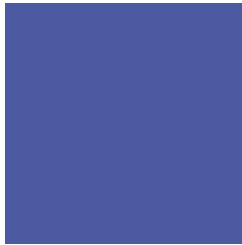
11.9030, 6.1173, 1.4140



0.2628, 0.1336, 0.0963

Previews

White Background



This preview shows how the XYZ color 13.0697, 11.4220, 35.2340 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 13.0697, 11.4220, 35.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

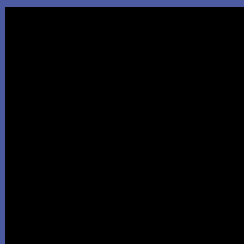
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0697, 11.4220, 35.2340

Background



This preview shows how black text looks on a background with the XYZ color 13.0697, 11.4220, 35.2340.



This preview shows how white text looks on a background with the XYZ color 13.0697, 11.4220,

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

13.0697, 11.4220, 35.2340

Protanopia

12.4879, 11.3554, 36.1840

Deuteranopia

11.7947, 11.5568, 34.8667



Tritanopia

9.2718, 11.3630, 16.4564

Trichromacy



Original Color

13.0697, 11.4220, 35.2340

Protanomaly

12.6466, 11.3197, 35.7008

Deuteranomaly

12.1515, 11.4733, 34.8318

Tritanomaly

10.4171, 11.2582, 22.3929

Monochromacy



Original Color

13.0697, 11.4220, 35.2340

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.1148, 11.1629, 18.7084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0697, 11.4220, 35.2340 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(76, 90, 161)` looks like.

```
.text, #text, p{  
    color:rgb(76, 90, 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(76, 90, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 90, 161) }
```

Border

The CSS property to change the border of an element to XYZ 13.0697, 11.4220, 35.2340 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(76, 90, 161) }
```


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

```
.border{ border-color:rgb(76, 90, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 90, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 90, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 90, 161);  
box-shadow:4px 4px 4px 4px rgb(76, 90,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0697, 11.4220, 35.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 90, 161) }
```

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

```
.background{ background-color: rgb(76, 90,  
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](#).

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