

Converting Colors

XYZ(13.4220, 13.0742, 35.9986)

Have a look what the booklet for
XYZ(13.4220, 13.0742, 35.9986)
contains.

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Color

**XYZ(13.4220, 13.0742,
35.9986)**

Conversions

Conversions Part 1

Format	Color
Hex	4265A2
RGB	66, 101, 162
RGB Percent	26%, 40%, 64%
CMY	0.7412, 0.6039, 0.3647
CMYK	0.59, 0.38, 0.00, 0.36
HSL	218°, 42%, 45%
HSV	218°, 59%, 64%
XYZ	13.4220, 13.0742, 35.9986
YIQ	97.4890, -40.4410, 11.5510

Conversions

Conversions Part 2

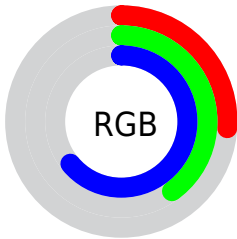
Format	Color
R_{YB}	66, 92, 162
Decimal	4351394
CIE _{Lab}	42.87, 6.60, -36.79
CIE _{LCh}	43, 37.374, 280.175
Yxy	13.0742, 0.2148, 0.2092
Android (android.graphics.Color)	4282541474 (0xFF4265A2)
YUV	97.4890, 31.8039, -27.6159
Hunter-Lab	36.1583, 2.9825, -33.7174

Details

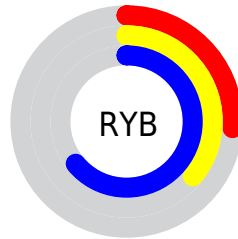
The XYZ color **13.4220, 13.0742, 35.9986** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.4738, 23.2546, 8.4064**, and the grayscale version is **11.4143, 12.0087, 13.0775**.

A 20% lighter version of the original color is **31.6378, 31.5312, 70.0643**, and **4.1807, 3.8582, 15.2762** is the 20% darker color. If you saturate the color by 10%, you get **11.5435, 10.7140, 35.6423**, and if you desaturate by 10%, it is **15.7358, 15.8451, 36.4118**.

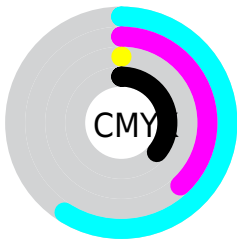
Distribution



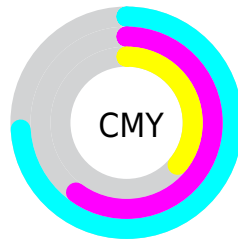
- Red (26%)
- Green (40%)
- Blue (64%)



- Red (26%)
- Yellow (36%)
- Blue (64%)



- Cyan (59%)
- Magenta (38%)
- Yellow (0%)
- Black (36%)



- Cyan (74%)
- Magenta (60%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4220, 13.0742, 35.9986 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 13.4220, 13.0742, 35.9986 by changing the saturation by 10% instead.

■ 13.4220, 13.0742,
35.9986

■ 13.4220, 13.0742,
35.9986

207.1882,
211.3927, 343.9916

■ 7.7988, 7.4797,
24.1434

■ 31.6548, 31.4370,
70.1989

■ 4.0172, 3.7638,
15.2269

■ 44.9950, 44.9741,
93.3812

■ 1.7119, 1.5424,
8.8304

■ 61.6383, 61.9275,
121.1762

■ 0.4637, 0.3183,
4.5354

■ 81.9501, 82.6815,
154.0025

■ 0.0000, 0.0000,
1.9234

■ 106.2956,
107.6207, 192.2786

■ 0.0000, 0.0000,
0.5076

135.0402,

■ 0.0000, 0.0000,

137.1293, 236.4232

0.0000

168.5493,
171.5919, 286.8547

■ 13.4220, 13.0742,
35.9986

■ 13.4220, 13.0742,
35.9986

■ 11.5435, 10.7140,
35.6423

■ 15.7358, 15.8451,
36.4118

■ 10.0673, 8.7400,
35.3391

■ 18.5116, 19.0463,
36.8834

■ 8.9577, 7.1268,
35.0862

■ 21.7755, 22.6977,
37.4161

■ 8.1434, 5.8298,
34.8788

■ 25.5510, 26.8173,
38.0123

■ 8.0887, 5.7427,
34.8648

■ 29.8601, 31.4221,
38.6740

■ 34.7236, 36.5282,
39.4032

■ 40.1609, 42.1509,
40.2019

■ 46.1906, 48.3048,
41.0720

■ 52.8305, 55.0039,
42.0151

Harmonies

Analogous

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



10.6560, 13.0742, 34.7428



13.4220, 13.0742, 35.9986



16.3158, 13.0742, 29.9469

Triad

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



13.4220, 13.0742, 35.9986



17.1115, 13.0742, 6.3103



7.9442, 13.0742, 9.5410

Complementary

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



13.4220, 13.0742, 35.9986



23.4738, 23.2546, 8.4064

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.



9.2105, 13.0742, 5.2842



13.4220, 13.0742, 35.9986



14.3832, 13.0742, 3.9754

Square

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



13.4220, 13.0742, 35.9986



18.6519, 13.0742, 11.6346



11.4817, 13.0742, 3.6900



7.7681, 13.0742, 17.1979

Rectangle

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



13.4220, 13.0742, 35.9986



17.8243, 13.0742, 23.5754



11.4817, 13.0742, 3.6900



8.2461, 13.0742, 7.7598

Sweetspot

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



13.4225, 13.0746, 35.9989



47.0599, 49.4116, 69.1132



18.9854, 28.5264, 24.5166



10.1123, 10.6037, 15.4513



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.4225, 13.0746, 35.9989



20.0515, 18.2681, 64.5254



11.6783, 8.1595, 35.1421



6.9020, 7.2631, 8.9412



6.4105, 4.6004, 27.4799



0.1786, 0.1844, 0.5920

Inverse Universe

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



19.1979, 12.5180, 13.7166



31.9014, 18.5879, 18.4788



26.3351, 32.6428, 10.0676



7.1755, 7.1267, 7.9107



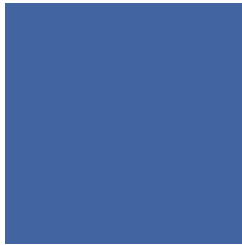
12.3812, 6.3085, 3.9320



0.2823, 0.1414, 0.1993

Previews

White Background



This preview shows how the XYZ color 13.4220, 13.0742, 35.9986 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 13.4220, 13.0742, 35.9986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

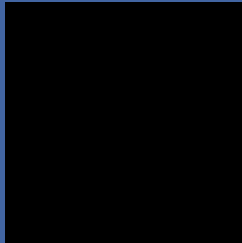
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

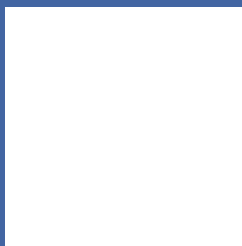
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4220, 13.0742, 35.9986

Background



This preview shows how black text looks on a background with the XYZ color 13.4220, 13.0742, 35.9986.



This preview shows how white text looks on a background with the XYZ color 13.4220, 13.0742,

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

13.4220, 13.0742, 35.9986

Protanopia

13.9489, 13.0814, 35.0475

Deuteranopia

13.3552, 13.0398, 35.9955



Tritanopia

10.0780, 13.0881, 19.4479

Trichromacy



Original Color

13.4220, 13.0742, 35.9986

Protanomaly

13.8142, 13.1434, 35.5271

Deuteranomaly

13.3552, 13.0398, 35.9955

Tritanomaly

11.1522, 13.0489, 24.8526

Monochromacy



Original Color

13.4220, 13.0742, 35.9986

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.6566, 12.0943, 19.8092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4220, 13.0742, 35.9986 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(66, 101, 162)` looks like.

```
.text, #text, p{  
    color:rgb(66, 101, 162)  
}
```

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(66, 101, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 101, 162) }
```

Border

The CSS property to change the border of an element to XYZ 13.4220, 13.0742, 35.9986 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(66, 101, 162) }
```


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

```
.border{ border-color:rgb(66, 101, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 101, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 101, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 101, 162);  
box-shadow:4px 4px 4px 4px rgb(66, 101,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4220, 13.0742, 35.9986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 101, 162) }
```

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

```
.background{ background-color: rgb(66, 101,  
162) }
```

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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