

Converting Colors

XYZ(5.3500, 11.3268, 39.1109)

Have a look what the booklet for
XYZ(5.3500, 11.3268, 39.1109)
contains.

XYZ(13.4292, 15.5497, 39.3394)	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>	30

Color

**XYZ(13.4292, 15.5497,
39.3394)**

Conversions

Conversions Part 1

Format	Color
Hex	0075A8
RGB	0, 117, 168
RGB Percent	0%, 46%, 66%
CMY	0.9999, 0.5412, 0.3412
CMYK	1.00, 0.30, 0.00, 0.34
HSL	198°, 100%, 33%
HSV	198°, 100%, 66%
XYZ	13.4292, 15.5497, 39.3394
YIQ	87.8310, -86.1030, -8.9430

Conversions

Conversions Part 2

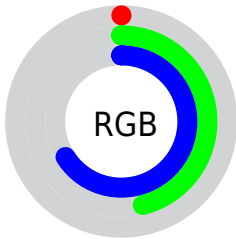
Format	Color
RYB	0, 69, 168
Decimal	30120
CIELab	46.38, -8.45, -34.90
CIElCh	46, 35.907, 256.387
Yxy	15.5497, 0.1966, 0.2276
Android (android.graphics.Color)	4278220200 (0xFF0075A8)
YUV	87.8310, 39.5233, -77.0278
Hunter-Lab	39.4331, -8.2186, -31.5459

Details

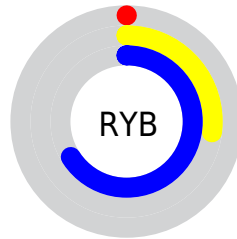
The XYZ color **13.4292, 15.5497, 39.3394** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.3341, 10.6956, 1.1518**, and the grayscale version is **9.1715, 9.6491, 10.5079**.

A 20% lighter version of the original color is **31.6271, 35.8275, 75.0605**, and **5.2805, 5.5172, 17.3096** is the 20% darker color. If you saturate the color by 10%, you get **13.4281, 15.5476, 39.3394**, and if you desaturate by 10%, it is **14.2682, 16.8890, 39.5540**.

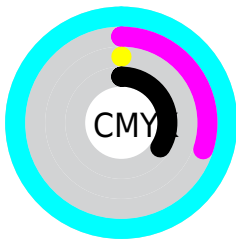
Distribution



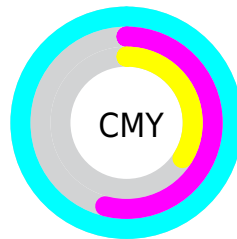
- Red (0%)
- Green (46%)
- Blue (66%)



- Red (0%)
- Yellow (27%)
- Blue (66%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4292, 15.5497, 39.3394 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 13.4292, 15.5497, 39.3394 by changing the saturation by 10% instead.

■ 13.4292, 15.5497,
39.3394

■ 13.4292, 15.5497,
39.3394

207.2328,
226.6697, 358.8003

■ 7.8038, 9.2061,
26.7140

■ 31.6675, 35.8147,
75.3826

■ 4.0204, 4.8758,
17.1280

■ 45.0112, 50.5048,
99.6374

■ 1.7137, 2.1746,
10.1629

■ 61.6582, 68.7459,
128.6058

■ 0.4648, 0.7061,
5.4001

■ 81.9741, 90.9224,
162.7063

■ 0.0000, 0.0000,
2.4210

■ 106.3242,
117.4186, 202.3575

■ 0.0000, 0.0000,
0.7979

■ 135.0737,

■ 0.0000, 0.0000,

148.6190, 247.9779

0.0000

168.5882,
184.9079, 299.9859

■ 13.4292, 15.5497,
39.3394

■ 13.4292, 15.5497,
39.3394

■ 13.4281, 15.5476,
39.3394

■ 14.2682, 16.8890,
39.5540

■ 15.3313, 18.3923,
39.7882

■ 16.6974, 20.1015,
40.0461

■ 18.4022, 22.0355,
40.3295

■ 20.4757, 24.2105,
40.6401

■ 22.9447, 26.6411,
40.9791

■ 25.8332, 29.3402,
41.3478

■ 29.1633, 32.3200,
41.7474

■ 32.9553, 35.5915,
42.1790

Harmonies

Analogous

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



11.0598, 15.5497, 32.4160



13.4292, 15.5497, 39.3394



16.5138, 15.5497, 38.9679

Triad

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



13.4292, 15.5497, 39.3394



21.2192, 15.5497, 12.5832



10.8936, 15.5497, 7.7206

Complementary

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



13.4292, 15.5497, 39.3394



17.3341, 10.6956, 1.1518

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.



13.1711, 15.5497, 5.3164



13.4292, 15.5497, 39.3394



19.2518, 15.5497, 7.3818

Square

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



13.4292, 15.5497, 39.3394



21.3138, 15.5497, 21.2442



16.2175, 15.5497, 5.2189



9.7392, 15.5497, 13.2450

Rectangle

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



13.4292, 15.5497, 39.3394



18.5779, 15.5497, 34.5808



16.2175, 15.5497, 5.2189



11.5377, 15.5497, 6.6197

Sweetspot

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



13.4298, 15.5502, 39.3398



46.5572, 52.9485, 74.9914



14.5881, 28.2397, 7.7478



9.6703, 11.0995, 16.2849



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



13.4298, 15.5502, 39.3398



24.1702, 27.8192, 71.3208



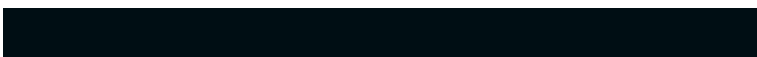
7.6298, 3.9503, 37.4065



7.5524, 8.1418, 9.5918



10.1869, 11.8341, 29.7228



0.2897, 0.3716, 0.7371

Inverse Universe

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



19.3599, 9.6100, 17.6645



35.0299, 17.3971, 31.5249



24.7303, 25.4880, 3.6172



7.7434, 7.6272, 8.9661



14.6425, 7.2657, 13.4608



0.3774, 0.1852, 0.4387

Previews

White Background



This preview shows how the XYZ color 13.4292, 15.5497, 39.3394 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 13.4292, 15.5497, 39.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

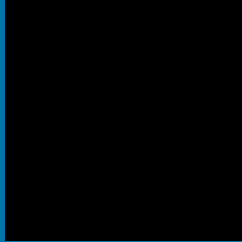
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4292, 15.5497, 39.3394

Background



This preview shows how black text looks on a background with the XYZ color 13.4292, 15.5497, 39.3394.



This preview shows how white text looks on a background with the XYZ color 13.4292, 15.5497,

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

13.4292, 15.5497, 39.3394

Protanopia

16.1214, 15.5385, 35.4072

Deuteranopia

15.9488, 15.5018, 40.1818

Trichromacy



Original Color

13.4292, 15.5497, 39.3394

Protanomaly

14.0989, 14.9430, 36.7915

Deuteranomaly

14.2710, 15.1310, 39.7045

Monochromacy



Original Color

13.4292, 15.5497, 39.3394

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.3036, 11.0488, 18.4719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4292, 15.5497, 39.3394 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(0, 117, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 168)  
}
```

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(0, 117, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 168) }
```

Border

The CSS property to change the border of an element to XYZ 13.4292, 15.5497, 39.3394 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(0, 117, 168) }
```

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

```
.border{ border-color:rgb(0, 117, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
168) }
```


Background

The CSS property to change the background color of an element to XYZ 13.4292, 15.5497, 39.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 168) }
```

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

```
.background{ background-color: rgb(0, 117,  
168) }
```

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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