

Converting Colors

XYZ(34.1579, 39.2134, 73.1661)

Have a look what the booklet for
XYZ(34.1579, 39.2134, 73.1661)
contains.

XYZ(34.1525, 39.1610, 73.4690)	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(34.1525, 39.1610,
73.4690)**

Conversions

Conversions Part 1

Format	Color
Hex	68B0DC
RGB	104, 176, 220
RGB Percent	41%, 69%, 86%
CMY	0.5921, 0.3098, 0.1373
CMYK	0.53, 0.20, 0.00, 0.14
HSL	203°, 62%, 64%
HSV	203°, 53%, 86%
XYZ	34.1525, 39.1610, 73.4690
YIQ	159.4880, -57.0360, -1.5800

Conversions

Conversions Part 2

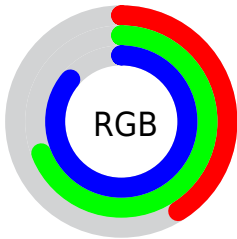
Format	Color
RYB	104, 148, 220
Decimal	6861020
CIELab	68.87, -10.34, -29.10
CIELCh	69, 30.880, 250.430
Yxy	39.1610, 0.2327, 0.2668
Android (android.graphics.Color)	4285051100 (0xFF68B0DC)
YUV	159.4880, 29.8324, -48.6630
Hunter-Lab	62.5788, -12.0960, -25.8028

Details

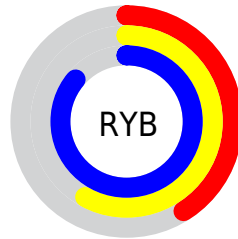
The XYZ color **34.1525, 39.1610, 73.4690** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.6050, 37.3964, 18.0708**, and the grayscale version is **33.0655, 34.7875, 37.8836**.

A 20% lighter version of the original color is **61.8069, 72.6146, 105.3662**, and **14.9136, 17.6033, 38.2091** is the 20% darker color. If you saturate the color by 10%, you get **30.3381, 34.8405, 72.8368**, and if you desaturate by 10%, it is **38.7362, 44.0289, 74.1678**.

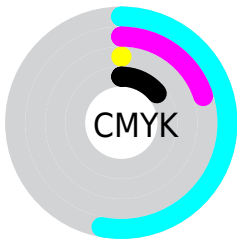
Distribution



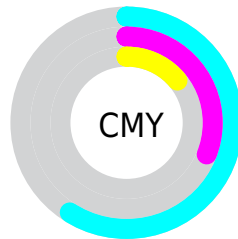
- Red (41%)
- Green (69%)
- Blue (86%)



- Red (41%)
- Yellow (58%)
- Blue (86%)



- Cyan (53%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)



- Cyan (59%)
- Magenta (31%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1525, 39.1610, 73.4690 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 34.1525, 39.1610, 73.4690 by changing the saturation by 10% instead.

■ 34.1525, 39.1610,
73.4690

■ 34.1525, 39.1610,
73.4690

312.3855,
342.5745, 491.7530

■ 23.1742, 26.8850,
53.8654

■ 65.5135, 73.8842,
125.8699

■ 14.8436, 17.4869,
38.1016

■ 86.6269, 97.1002,
159.5042

■ 8.7953, 10.5822,
25.7591

■ 111.8493,
124.7317, 198.6525

■ 4.6639, 5.7867,
16.4194

■ 141.5463,
157.1629, 243.7334

■ 2.0842, 2.7158,
9.6638

176.0830,
194.7785, 295.1653

■ 0.6806, 0.9852,
5.0740

215.8249,

■ 0.0000, 0.0000,

237.9627, 353.3669

2.2312

261.1372,
287.0999, 418.7566

■ 0.0000, 0.0000,
0.6923

■ 0.0000, 0.0000,
0.0000

■ 34.1525, 39.1610,
73.4690

■ 34.1525, 39.1610,
73.4690

■ 30.3381, 34.8405,
72.8368

■ 38.7362, 44.0289,
74.1678

■ 27.2342, 31.0322,
72.2654

■ 44.1342, 49.4679,
74.9331

■ 24.7794, 27.7024,
71.7520

■ 50.3925, 55.5047,
75.7684

■ 22.8982, 24.8095,
71.2928

■ 57.5525, 62.1633,
76.6763

■ 21.8006, 22.9317,
70.9882

■ 65.6524, 69.4658,
77.6589

■ 74.7284, 77.4331,
78.7184

■ 83.7001, 85.5106,
79.8047

■ 86.1377, 90.3860,
80.6172

■ 88.6889, 95.4884,
81.4676

Harmonies

Analogous

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



30.4974, 39.1610, 62.6523



34.1525, 39.1610, 73.4690



38.9541, 39.1610, 75.0807

Triad

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



34.1525, 39.1610, 73.4690



47.2826, 39.1610, 37.9367



31.4369, 39.1610, 25.2150

Complementary

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



34.1525, 39.1610, 73.4690



42.6050, 37.3964, 18.0708

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.



35.5408, 39.1610, 21.2193



34.1525, 39.1610, 73.4690



44.8674, 39.1610, 27.4192

Square

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



34.1525, 39.1610, 73.4690



46.8281, 39.1610, 52.3361



40.4688, 39.1610, 21.9261



29.0275, 39.1610, 34.2215

Rectangle

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



34.1525, 39.1610, 73.4690



42.2026, 39.1610, 70.4090



40.4688, 39.1610, 21.9261



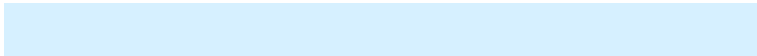
32.6483, 39.1610, 23.3415

Sweetspot

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



34.1538, 39.1624, 73.4699



76.8601, 83.5866, 106.6906



36.5332, 56.2224, 36.3402



16.0037, 17.4755, 22.7796



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.1538, 39.1624, 73.4699



42.0080, 48.2302, 101.7030



25.2810, 21.4169, 70.5124



13.0084, 13.9566, 16.6604



12.9050, 13.6793, 41.6986



0.9181, 1.0504, 2.7288

Inverse Universe

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



42.3031, 28.2522, 44.2993



55.0187, 33.2257, 54.5898



53.7348, 59.6559, 21.7807



13.3941, 13.1867, 15.3366



20.0092, 10.0047, 14.9601



1.3377, 0.6647, 1.1874

Previews

White Background



This preview shows how the XYZ color 34.1525, 39.1610, 73.4690 looks on a white background.

Color Contrast Check

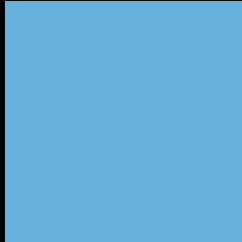
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.1525, 39.1610, 73.4690 looks on a black 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 ✓ Pass

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

XYZ 34.1525, 39.1610, 73.4690

Background



This preview shows how black text looks on a background with the XYZ color 34.1525, 39.1610, 73.4690.

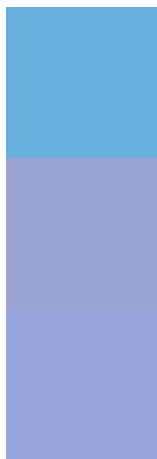


This preview shows how white text looks on a background with the XYZ color 34.1525, 39.1610,

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

34.1525, 39.1610, 73.4690

Protanopia

38.8564, 38.6323, 67.6962

Deuteranopia

39.9113, 39.0103, 75.2382



Tritanopia

30.8909, 39.0155, 57.5324

Trichromacy



Original Color

34.1525, 39.1610, 73.4690

Protanomaly

36.6071, 38.5165, 69.7950

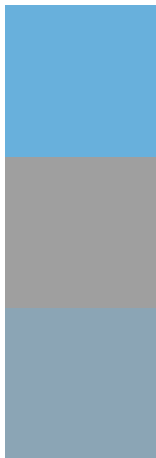
Deuteranomaly

37.3645, 38.8008, 74.6272

Tritanomaly

32.0562, 39.1965, 63.0029

Monochromacy



Original Color

34.1525, 39.1610, 73.4690

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.4431, 35.7354, 48.9038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1525, 39.1610, 73.4690 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(104, 176, 220)` looks like.

```
.text, #text, p{  
    color:rgb(104, 176, 220)  
}
```

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(104, 176, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 176, 220) }
```

Border

The CSS property to change the border of an element to XYZ 34.1525, 39.1610, 73.4690 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(104, 176, 220) }
```


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

```
.border{ border-color:rgb(104, 176, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 176, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 176, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 176, 220);  
box-shadow:4px 4px 4px 4px rgb(104, 176,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1525, 39.1610, 73.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 176, 220) }
```

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

```
.background{ background-color: rgb(104,  
176, 220) }
```

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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