

Converting Colors

XYZ(33.4929, 39.7700, 58.6550)

Have a look what the booklet for
XYZ(33.4929, 39.7700, 58.6550)
contains.

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Color

**XYZ(33.4697, 39.7236,
58.7267)**

Conversions

Conversions Part 1

Format	Color
Hex	76B2C5
RGB	118, 178, 197
RGB Percent	46%, 70%, 77%
CMY	0.5372, 0.3019, 0.2274
CMYK	0.40, 0.10, 0.00, 0.23
HSL	194°, 41%, 62%
HSV	194°, 40%, 77%
XYZ	33.4697, 39.7236, 58.7267
YIQ	162.2260, -41.8590, -6.8110

Conversions

Conversions Part 2

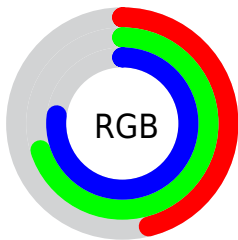
Format	Color
RYB	118, 152, 197
Decimal	7779013
CIELab	69.27, -14.47, -15.78
CIELCh	69, 21.410, 227.475
Yxy	39.7236, 0.2537, 0.3011
Android (android.graphics.Color)	4285969093 (0xFF76B2C5)
YUV	162.2260, 17.1436, -38.7862
Hunter-Lab	63.0267, -15.5060, -11.1263

Details

The XYZ color **33.4697, 39.7236, 58.7267** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.2424, 31.0704, 21.2804**, and the grayscale version is **34.3858, 36.1766, 39.3963**.

A 20% lighter version of the original color is **64.5458, 74.8856, 104.8184**, and **14.4059, 17.7404, 28.6516** is the 20% darker color. If you saturate the color by 10%, you get **30.1425, 36.6339, 58.3064**, and if you desaturate by 10%, it is **37.3906, 43.1695, 59.1859**.

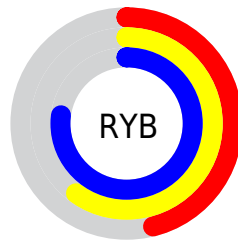
Distribution



Red (46%)

Green (70%)

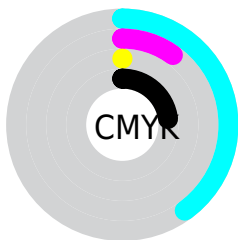
Blue (77%)



Red (46%)

Yellow (60%)

Blue (77%)

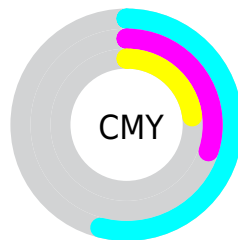


Cyan (40%)

Magenta (10%)

Yellow (0%)

Black (23%)



Cyan (54%)

Magenta (30%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4697, 39.7236, 58.7267 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 33.4697, 39.7236, 58.7267 by changing the saturation by 10% instead.

■ 33.4697, 39.7236,
58.7267

■ 33.4697, 39.7236,
58.7267

309.3886,
344.9572, 437.5620

■ 22.6475, 27.3231,
41.9746

■ 64.4579, 74.7424,
104.5056

■ 14.4527, 17.8160,
28.7560

■ 85.3547, 98.1296,
134.3694

■ 8.5200, 10.8180,
18.6523

■ 110.3402,
125.9477, 169.4409

■ 4.4840, 5.9446,
11.2451

139.7800,
158.5812, 210.1385

■ 1.9794, 2.8114,
6.1157

174.0394,
196.4146, 256.8810

■ 0.6224, 1.0341,
2.8456

213.4838,

■ 0.0000, 0.0000,

239.8321, 310.0866

1.0164

258.4784,
289.2181, 370.1741

■ 0.0000, 0.0000,
0.0000

■ 33.4697, 39.7236,
58.7267

■ 33.4697, 39.7236,
58.7267

■ 30.1425, 36.6339,
58.3064

■ 37.3906, 43.1695,
59.1859

■ 27.3700, 33.8772,
57.9204

■ 41.9338, 46.9841,
59.6827

■ 25.1140, 31.4340,
57.5677

■ 47.1305, 51.1849,
60.2196

■ 23.3298, 29.2810,
57.2462

■ 53.0087, 55.7867,
60.7981

■ 21.9643, 27.3901,
56.9532

■ 59.5945, 60.8035,
61.4193

■ 20.9247, 25.7244,
56.6865

■ 66.9129, 66.2487,
62.0846

■ 74.6539, 71.9627,
62.7795

■ 75.8496, 74.3540,
63.1781

■ 77.0802, 76.8153,
63.5883

Harmonies

Analogous

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



31.8058, 39.7236, 49.1785



33.4697, 39.7236, 58.7267



36.3432, 39.7236, 64.4456

Triad

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



33.4697, 39.7236, 58.7267



44.5703, 39.7236, 47.4809



35.8092, 39.7236, 27.6158

Complementary

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



33.4697, 39.7236, 58.7267



35.2424, 31.0704, 21.2804

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.



39.2051, 39.7236, 27.3038



33.4697, 39.7236, 58.7267



44.4058, 39.7236, 37.8223

Square

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



33.4697, 39.7236, 58.7267



42.8305, 39.7236, 57.3229



42.3937, 39.7236, 30.7671



33.0992, 39.7236, 31.6960

Rectangle

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



33.4697, 39.7236, 58.7267



38.6210, 39.7236, 64.8234



42.3937, 39.7236, 30.7671



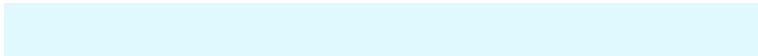
36.9042, 39.7236, 27.0916

Sweetspot

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



33.4709, 39.7251, 58.7276



82.3717, 90.0456, 107.6468



31.9133, 45.5749, 30.5703



17.3591, 19.0554, 23.0131



0.0000, 0.0000, 0.0000



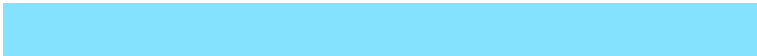
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4709, 39.7251, 58.7276



54.7378, 66.3301, 104.5257



26.7926, 26.3685, 56.5015



10.7223, 11.6186, 13.5950



13.8305, 17.0549, 37.3073



0.7084, 0.9147, 1.7844

Inverse Universe

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



37.5413, 28.0427, 45.5553



63.2406, 43.3928, 76.6809



41.8091, 44.2038, 23.4693



10.9698, 10.7713, 12.8244



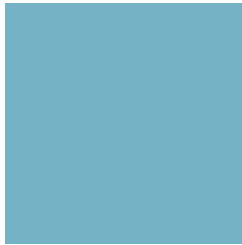
18.7803, 9.2617, 19.8508



0.9163, 0.4494, 1.0823

Previews

White Background



This preview shows how the XYZ color 33.4697, 39.7236, 58.7267 looks on a white background.

Color Contrast Check

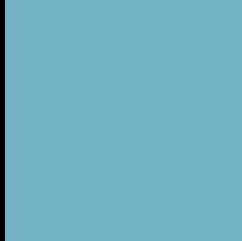
Large Text (above 18pt) WCAG AA × Fail

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 33.4697, 39.7236, 58.7267 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 33.4697, 39.7236, 58.7267

Background



This preview shows how black text looks on a background with the XYZ color 33.4697, 39.7236, 58.7267.



This preview shows how white text looks on a background with the XYZ color 33.4697, 39.7236,

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

33.4697, 39.7236, 58.7267

Protanopia

38.6300, 39.3545, 54.2753

Deuteranopia

40.2426, 39.5154, 60.1498



Tritanopia

33.0819, 39.8724, 56.4046

Trichromacy



Original Color

33.4697, 39.7236, 58.7267

Protanomaly

36.4013, 39.2720, 56.1138

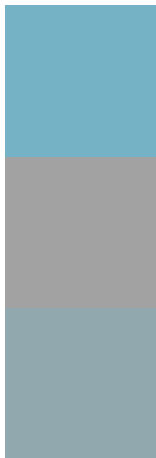
Deuteranomaly

37.2612, 39.3570, 59.6656

Tritanomaly

33.1938, 39.9171, 56.9942

Monochromacy



Original Color

33.4697, 39.7236, 58.7267

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5946, 37.2114, 45.9693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4697, 39.7236, 58.7267 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(118, 178, 197)` looks like.

```
.text, #text, p{  
    color:rgb(118, 178, 197)  
}
```

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(118, 178, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 178, 197) }
```

Border

The CSS property to change the border of an element to XYZ 33.4697, 39.7236, 58.7267 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(118, 178, 197) }
```


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

```
.border{ border-color:rgb(118, 178, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 178, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 178, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 178, 197);  
box-shadow:4px 4px 4px 4px rgb(118, 178,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4697, 39.7236, 58.7267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 178, 197) }
```

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

```
.background{ background-color: rgb(118,  
178, 197) }
```

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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