

Converting Colors

XYZ(35.1918, 39.7760, 78.2212)

Have a look what the booklet for
XYZ(35.1918, 39.7760, 78.2212)
contains.

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Color

**XYZ(35.2962, 39.9334,
78.5207)**

Conversions

Conversions Part 1

Format	Color
Hex	68B1E3
RGB	104, 177, 227
RGB Percent	41%, 69%, 89%
CMY	0.5921, 0.3059, 0.1098
CMYK	0.54, 0.22, 0.00, 0.11
HSL	204°, 69%, 65%
HSV	204°, 54%, 89%
XYZ	35.2962, 39.9334, 78.5207
YIQ	160.8730, -59.5580, 0.0740

Conversions

Conversions Part 2

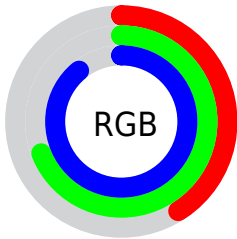
Format	Color
RYB	104, 150, 227
Decimal	6861283
CIELab	69.42, -8.81, -32.07
CIELCh	69, 33.259, 254.643
Yxy	39.9334, 0.2296, 0.2597
Android (android.graphics.Color)	4285051363 (0xFF68B1E3)
YUV	160.8730, 32.6006, -49.8776
Hunter-Lab	63.1929, -10.8869, -29.4361

Details

The XYZ color **35.2962, 39.9334, 78.5207** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.7342, 40.4433, 18.4942**, and the grayscale version is **33.6919, 35.4465, 38.6013**.

A 20% lighter version of the original color is **62.0892, 73.1792, 105.4603**, and **15.5210, 18.0388, 41.1919** is the 20% darker color. If you saturate the color by 10%, you get **31.2460, 35.2312, 77.8273**, and if you desaturate by 10%, it is **40.1814, 45.2506, 79.2903**.

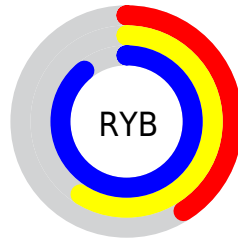
Distribution



Red (41%)

Green (69%)

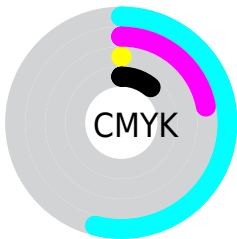
Blue (89%)



Red (41%)

Yellow (59%)

Blue (89%)

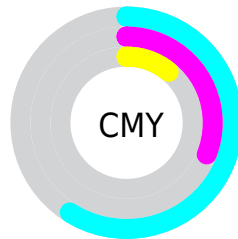


Cyan (54%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (59%)

Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2962, 39.9334, 78.5207 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 35.2962, 39.9334, 78.5207 by changing the saturation by 10% instead.

■ 35.2962, 39.9334,
78.5207

■ 35.2962, 39.9334,
78.5207

317.3590,
345.8428, 509.5081

■ 24.0587, 27.4866,
57.9828

■ 67.2754, 75.0621,
133.0764

■ 15.5022, 17.9390,
41.3802

■ 88.7478, 98.5128,
167.9314

■ 9.2612, 10.9062,
28.2944

■ 114.3625,
126.4002, 208.3957

■ 4.9704, 6.0038,
18.3067

■ 144.4850,
159.1089, 254.8881

■ 2.2645, 2.8474,
10.9987

179.4805,
197.0230, 307.8270

■ 0.7764, 1.0526,
5.9518

219.7144,

■ 0.0000, 0.0000,

240.5271, 367.6309

2.7475

265.5521,
290.0056, 434.7184

■ 0.0000, 0.0000,
0.9672

■ 0.0000, 0.0000,
0.0000

■ 35.2962, 39.9334,
78.5207

■ 35.2962, 39.9334,
78.5207

■ 31.2460, 35.2312,
77.8273

■ 40.1814, 45.2506,
79.2903

■ 27.9660, 31.1047,
77.2037

■ 45.9519, 51.2098,
80.1364

■ 25.3876, 27.5156,
76.6468

■ 52.6581, 57.8413,
81.0630

■ 23.4258, 24.4162,
76.1520

■ 60.3457, 65.1719,
82.0727

■ 22.4907, 22.7970,
75.8887

■ 69.0568, 73.2265,
83.1683

■ 78.8313, 82.0289,
84.3521

■ 86.7376, 90.0707,
85.4877

■ 89.5477, 95.6910,
86.4244

■ 90.8653, 98.3261,
86.8636

Harmonies

Analogous

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



31.0976, 39.9334, 67.6383



35.2962, 39.9334, 78.5207



40.6155, 39.9334, 78.6616

Triad

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



35.2962, 39.9334, 78.5207



48.8021, 39.9334, 36.4510



31.1770, 39.9334, 25.7092

Complementary

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



35.2962, 39.9334, 78.5207



45.7342, 40.4433, 18.4942

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.



35.4143, 39.9334, 20.7539



35.2962, 39.9334, 78.5207



45.7541, 39.9334, 25.8924

Square

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



35.2962, 39.9334, 78.5207



48.7629, 39.9334, 51.7577



40.7451, 39.9334, 20.8119



28.8760, 39.9334, 36.1368

Rectangle

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



35.2962, 39.9334, 78.5207



44.1079, 39.9334, 72.4967



40.7451, 39.9334, 20.8119



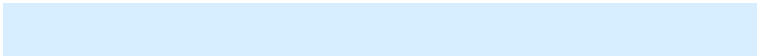
32.4036, 39.9334, 23.4697

Sweetspot

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



35.2976, 39.9349, 78.5217



76.5353, 82.9370, 106.5823



38.9456, 60.1888, 39.7904



15.9261, 17.3204, 22.7537



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.



35.2976, 39.9349, 78.5217



40.0963, 45.1611, 101.2114



25.8555, 21.0508, 75.3743



14.2904, 15.3022, 18.3448



13.2339, 13.5299, 44.2972



1.0686, 1.1812, 3.3036

Inverse Universe

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



44.5659, 29.4073, 44.9237



53.8696, 32.0610, 50.7124



58.4024, 65.7797, 22.7169



14.7342, 14.5109, 16.8005



21.0734, 10.5636, 14.5472



1.6030, 0.7989, 1.3160

Previews

White Background



This preview shows how the XYZ color 35.2962, 39.9334, 78.5207 looks on a white background.

Color Contrast Check

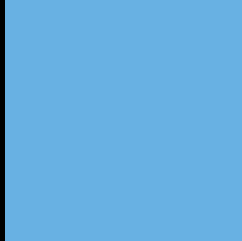
Large Text (above 18pt) WCAG AA × Fail

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 35.2962, 39.9334, 78.5207 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

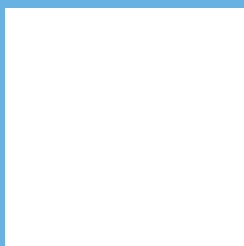
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2962, 39.9334, 78.5207

Background



This preview shows how black text looks on a background with the XYZ color 35.2962, 39.9334, 78.5207.



This preview shows how white text looks on a background with the XYZ color 35.2962, 39.9334,

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

35.2962, 39.9334, 78.5207

Protanopia

40.1225, 39.7205, 72.5700

Deuteranopia

40.5416, 39.5089, 79.6179



Tritanopia

31.3202, 39.8143, 58.8575

Trichromacy



Original Color

35.2962, 39.9334, 78.5207

Protanomaly

37.9011, 39.6340, 74.7598

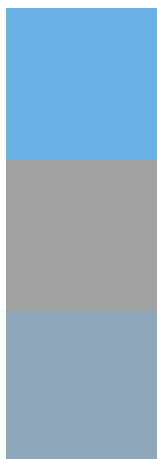
Deuteranomaly

38.2098, 39.4192, 78.9936

Tritanomaly

32.6362, 39.7380, 65.6246

Monochromacy



Original Color

35.2962, 39.9334, 78.5207

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3909, 36.7157, 51.2259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2962, 39.9334, 78.5207 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, 177, 227)` looks like.

```
.text, #text, p{  
    color:rgb(104, 177, 227)  
}
```

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, 177, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 177, 227) }
```

Border

The CSS property to change the border of an element to XYZ 35.2962, 39.9334, 78.5207 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, 177, 227) }
```


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

```
.border{ border-color:rgb(104, 177, 227) }
```

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

Here you see how a box with a 4 pixel rgb(104, 177, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 177, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 177, 227);  
box-shadow:4px 4px 4px 4px rgb(104, 177,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2962, 39.9334, 78.5207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 177, 227) }
```

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

```
.background{ background-color: rgb(104,  
177, 227) }
```

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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