

Converting Colors

XYZ(33.6915, 41.0411, 78.0985)

Have a look what the booklet for
XYZ(33.6915, 41.0411, 78.0985)
contains.

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Color

**XYZ(33.6414, 40.8945,
78.0718)**

Conversions

Conversions Part 1

Format	Color
Hex	4CB7E2
RGB	76, 183, 226
RGB Percent	30%, 72%, 89%
CMY	0.7019, 0.2823, 0.1137
CMYK	0.66, 0.19, 0.00, 0.11
HSL	197°, 72%, 59%
HSV	197°, 66%, 89%
XYZ	33.6414, 40.8945, 78.0718
YIQ	155.9090, -77.5750, -9.3110

Conversions

Conversions Part 2

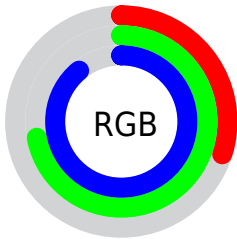
Format	Color
RYB	76, 138, 226
Decimal	5027810
CIELab	70.10, -17.45, -30.56
CIELCh	70, 35.186, 240.278
Yxy	40.8945, 0.2204, 0.2680
Android (android.graphics.Color)	4283217890 (0xFF4CB7E2)
YUV	155.9090, 34.5549, -70.0802
Hunter-Lab	63.9488, -18.0073, -27.6199

Details

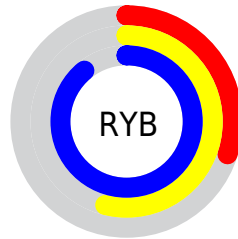
The XYZ color **33.6414, 40.8945, 78.0718** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **39.2667, 29.8859, 10.5379**, and the grayscale version is **31.4365, 33.0737, 36.0173**.

A 20% lighter version of the original color is **59.7317, 74.5285, 105.8450**, and **15.3333, 18.9055, 41.3691** is the 20% darker color. If you saturate the color by 10%, you get **30.8456, 37.5156, 77.5678**, and if you desaturate by 10%, it is **37.1318, 44.7243, 78.6279**.

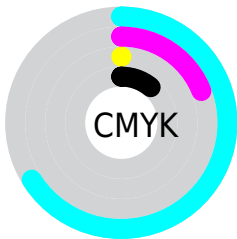
Distribution



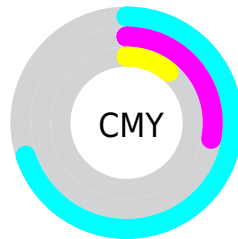
- Red (30%)
- Green (72%)
- Blue (89%)



- Red (30%)
- Yellow (54%)
- Blue (89%)



- Cyan (66%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (70%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6414, 40.8945, 78.0718 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 33.6414, 40.8945, 78.0718 by changing the saturation by 10% instead.

■ 33.6414, 40.8945,
78.0718

■ 33.6414, 40.8945,
78.0718

310.1442,
349.8795, 507.9450

■ 22.7798, 28.2367,
57.6162

■ 64.7236, 76.5237,
132.4381

■ 14.5508, 18.5041,
41.0875

■ 85.6750, 100.2639,
167.1859

■ 8.5890, 11.3125,
28.0672

■ 110.7204,
128.4669, 207.5348

■ 4.5290, 6.2775,
18.1369

■ 140.2250,
161.5173, 253.9033

■ 2.0056, 3.0145,
10.8778

174.5544,
199.7993, 306.7101

■ 0.6371, 1.1393,
5.8716

214.0738,

■ 0.0000, 0.0113,

243.6974, 366.3736

2.6996

259.1486,
293.5960, 433.3124

■ 0.0000, 0.0000,
0.9432

■ 0.0000, 0.0000,
0.0000

■ 33.6414, 40.8945,
78.0718

■ 33.6414, 40.8945,
78.0718

■ 30.8456, 37.5156,
77.5678

■ 37.1318, 44.7243,
78.6279

■ 28.6701, 34.5458,
77.1092

■ 41.3729, 49.0329,
79.2360

■ 27.0284, 31.9400,
76.6928

■ 46.4194, 53.8504,
79.8999

■ 26.5099, 31.0555,
76.5494

■ 52.3195, 59.2028,
80.6220

■ 59.1175, 65.1139,
81.4047

■ 66.8544, 71.6062,
82.2500

■ 75.5687, 78.7005,
83.1601

■ 84.6280, 86.0719,
84.1054

■ 86.5152, 89.8461,
84.7345

Harmonies

Analogous

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



30.0820, 40.8945, 62.4746



33.6414, 40.8945, 78.0718



38.9226, 40.8945, 84.2860

Triad

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



33.6414, 40.8945, 78.0718



51.0055, 40.8945, 44.3738



33.5571, 40.8945, 22.3992

Complementary

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



33.6414, 40.8945, 78.0718



39.2667, 29.8859, 10.5379

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.



38.8154, 40.8945, 19.7772



33.6414, 40.8945, 78.0718



49.2194, 40.8945, 30.3952

Square

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



33.6414, 40.8945, 78.0718



49.2822, 40.8945, 62.1419



44.6119, 40.8945, 22.3023



30.0368, 40.8945, 30.6018

Rectangle

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



33.6414, 40.8945, 78.0718



42.8278, 40.8945, 81.3193



44.6119, 40.8945, 22.3023



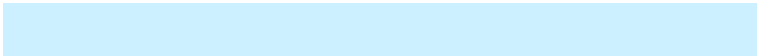
35.1620, 40.8945, 20.9414

Sweetspot

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



33.6428, 40.8960, 78.0728



74.2239, 82.6015, 106.6394



33.4779, 57.2502, 26.5835



15.3471, 17.2103, 22.7630



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.



33.6428, 40.8960, 78.0728



39.2726, 47.6385, 101.7330



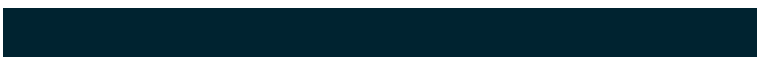
22.1248, 17.8601, 74.2335



13.7673, 14.8736, 17.5330



15.2300, 17.9295, 43.7064



1.1310, 1.3935, 3.0546

Inverse Universe

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



42.4969, 24.7579, 47.3402



52.4469, 27.6369, 55.1054



51.8504, 55.0533, 14.7325



14.1187, 13.8651, 16.3955



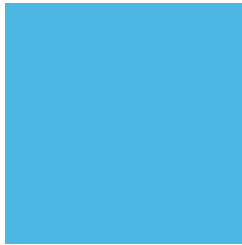
21.6276, 10.7180, 20.5024



1.5371, 0.7581, 1.6215

Previews

White Background



This preview shows how the XYZ color 33.6414, 40.8945, 78.0718 looks on a white background.

Color Contrast Check

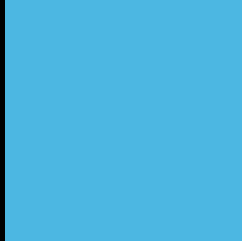
Large Text (above 18pt) WCAG AA × Fail

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 33.6414, 40.8945, 78.0718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

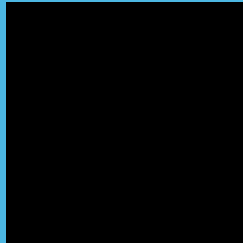
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6414, 40.8945, 78.0718

Background



This preview shows how black text looks on a background with the XYZ color 33.6414, 40.8945, 78.0718.



This preview shows how white text looks on a background with the XYZ color 33.6414, 40.8945,

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

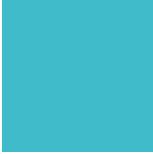
33.6414, 40.8945, 78.0718

Protanopia

40.3689, 40.1807, 69.9180

Deuteranopia

41.4719, 40.5324, 79.7665



Tritanopia

30.4809, 40.8617, 62.1577

Trichromacy



Original Color

33.6414, 40.8945, 78.0718

Protanomaly

36.6318, 39.5908, 72.7289

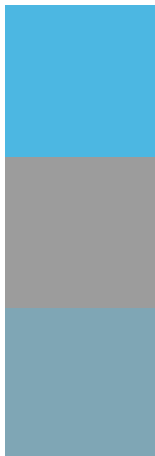
Deuteranomaly

37.5513, 39.9242, 79.1258

Tritanomaly

31.7007, 41.0499, 67.8806

Monochromacy



Original Color

33.6414, 40.8945, 78.0718

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.7291, 35.1207, 48.8754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6414, 40.8945, 78.0718 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(76, 183, 226)` looks like.

```
.text, #text, p{  
    color:rgb(76, 183, 226)  
}
```

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(76, 183, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 183, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.6414, 40.8945, 78.0718 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(76, 183, 226) }
```


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

```
.border{ border-color:rgb(76, 183, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 183, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 183, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 183, 226);  
box-shadow:4px 4px 4px 4px rgb(76, 183,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6414, 40.8945, 78.0718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 183, 226) }
```

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

```
.background{ background-color: rgb(76, 183,  
226) }
```

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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