

Converting Colors

XYZ(33.8245, 40.7743, 78.6591)

Have a look what the booklet for
XYZ(33.8245, 40.7743, 78.6591)
contains.

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Color

**XYZ(33.7350, 40.6216,
78.7358)**

Conversions

Conversions Part 1

Format	Color
Hex	4EB6E3
RGB	78, 182, 227
RGB Percent	31%, 71%, 89%
CMY	0.6941, 0.2863, 0.1098
CMYK	0.66, 0.20, 0.00, 0.11
HSL	198°, 73%, 60%
HSV	198°, 66%, 89%
XYZ	33.7350, 40.6216, 78.7358
YIQ	156.0340, -76.4290, -8.0530

Conversions

Conversions Part 2

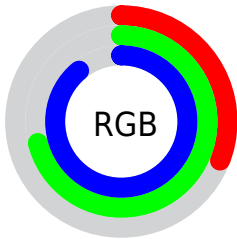
Format	Color
R _{YB}	78, 139, 227
Decimal	5158627
CIE Lab	69.91, -16.29, -31.39
CIE LCh	70, 35.369, 242.576
Yxy	40.6216, 0.2204, 0.2653
Android (android.graphics.Color)	4283348707 (0xFF4EB6E3)
YUV	156.0340, 34.9862, -68.4358
Hunter-Lab	63.7351, -17.0563, -28.6300

Details

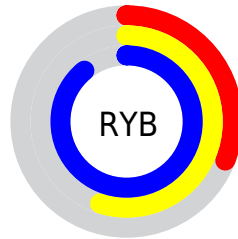
The XYZ color **33.7350, 40.6216, 78.7358** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.1384, 31.0493, 11.0871**, and the grayscale version is **31.4901, 33.1300, 36.0786**.

A 20% lighter version of the original color is **59.6090, 74.0318, 105.7556**, and **15.2009, 18.6408, 41.3249** is the 20% darker color. If you saturate the color by 10%, you get **30.8163, 37.0840, 78.2076**, and if you desaturate by 10%, it is **37.3668, 44.6303, 79.3189**.

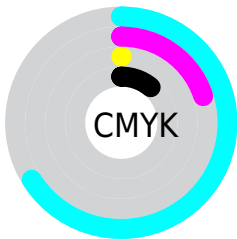
Distribution



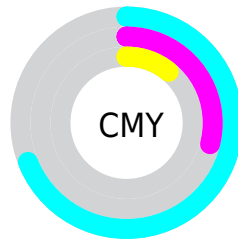
- Red (31%)
- Green (71%)
- Blue (89%)



- Red (31%)
- Yellow (55%)
- Blue (89%)



- Cyan (66%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (69%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7350, 40.6216, 78.7358 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 33.7350, 40.6216, 78.7358 by changing the saturation by 10% instead.

■ 33.7350, 40.6216,
78.7358

■ 33.7350, 40.6216,
78.7358

■ 310.5556,
348.7366, 510.2561

■ 22.8520, 28.0235,
58.1586

■ 64.8684, 76.1091,
133.3821

■ 14.6044, 18.3434,
41.5206

■ 85.8495, 99.7674,
168.2884

■ 8.6267, 11.1968,
28.4033

■ 110.9274,
127.8812, 208.8080

■ 4.5537, 6.1994,
18.3882

■ 140.4674,
160.8349, 255.3595

■ 2.0199, 2.9667,
11.0568

■ 174.8348,
199.0128, 308.3616

■ 0.6451, 1.1144,
5.9904

■ 214.3951,

■ 0.0000, 0.0000,

242.7995, 368.2327

2.7705

259.5136,
292.5793, 435.3913

■ 0.0000, 0.0000,
0.9787

■ 0.0000, 0.0000,
0.0000

■ 33.7350, 40.6216,
78.7358

■ 33.7350, 40.6216,
78.7358

■ 30.8163, 37.0840,
78.2076

■ 37.3668, 44.6303,
79.3189

■ 28.5364, 33.9756,
77.7278

■ 41.7679, 49.1384,
79.9571

■ 26.8102, 31.2519,
77.2930

■ 46.9935, 54.1763,
80.6541

■ 26.1676, 30.1508,
77.1144

■ 53.0919, 59.7704,
81.4125

60.1079, 65.9451,
82.2345

68.0828, 72.7230,
83.1225

77.0556, 80.1255,
84.0784

85.3460, 87.2876,
85.0238

87.3675, 91.3306,
85.6977

Harmonies

Analogous

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



30.0170, 40.6216, 63.5766



33.7350, 40.6216, 78.7358



39.1089, 40.6216, 84.0334

Triad

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



33.7350, 40.6216, 78.7358



50.7498, 40.6216, 42.8213



32.9540, 40.6216, 22.5423

Complementary

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



33.7350, 40.6216, 78.7358



40.1384, 31.0493, 11.0871

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.



38.1146, 40.6216, 19.5277



33.7350, 40.6216, 78.7358



48.7029, 40.6216, 29.2699

Square

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



33.7350, 40.6216, 78.7358



49.2857, 40.6216, 60.4869



43.9325, 40.6216, 21.6460



29.5986, 40.6216, 31.1830

Rectangle

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



33.7350, 40.6216, 78.7358



43.0145, 40.6216, 80.4114



43.9325, 40.6216, 21.6460



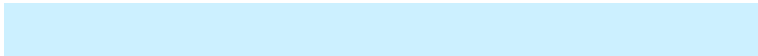
34.5162, 40.6216, 20.9501

Sweetspot

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



33.7364, 40.6231, 78.7368



73.9934, 82.1404, 106.5626



34.1689, 57.9816, 28.0336



15.2914, 17.0990, 22.7444



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.



33.7364, 40.6231, 78.7368



38.8741, 46.6456, 101.5624



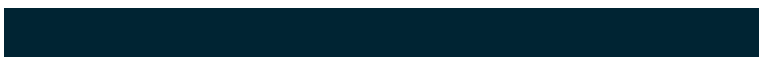
22.3503, 17.8509, 74.9414



14.4208, 15.5629, 18.3882



15.3679, 17.7978, 45.0085



1.2163, 1.4765, 3.3529

Inverse Universe

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



42.8477, 25.1587, 46.8550



52.2936, 27.7588, 53.7335



53.0667, 56.9060, 15.3966



14.8000, 14.5372, 17.1470



22.1505, 10.9944, 20.2193



1.6776, 0.8287, 1.7085

Previews

White Background



This preview shows how the XYZ color 33.7350, 40.6216, 78.7358 looks on a white background.

Color Contrast Check

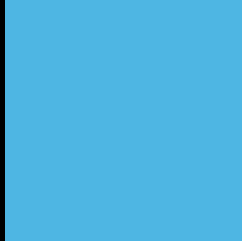
Large Text (above 18pt) WCAG AA × Fail

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 33.7350, 40.6216, 78.7358 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

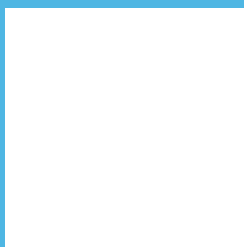
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7350, 40.6216, 78.7358

Background



This preview shows how black text looks on a background with the XYZ color 33.7350, 40.6216, 78.7358.



This preview shows how white text looks on a background with the XYZ color 33.7350, 40.6216,

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

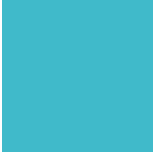
33.7350, 40.6216, 78.7358

Protanopia

40.4316, 40.1831, 71.2708

Deuteranopia

41.0505, 40.0260, 80.4251



Tritanopia

30.3339, 40.4721, 62.0902

Trichromacy



Original Color

33.7350, 40.6216, 78.7358

Protanomaly

36.8968, 39.6968, 74.1242

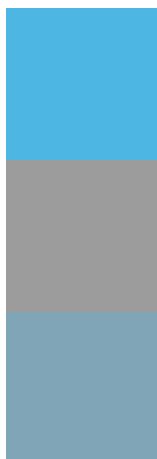
Deuteranomaly

37.3528, 39.5222, 79.7886

Tritanomaly

31.5611, 40.6663, 67.8139

Monochromacy



Original Color

33.7350, 40.6216, 78.7358

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.8007, 34.8769, 49.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7350, 40.6216, 78.7358 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(78, 182, 227)` looks like.

```
.text, #text, p{  
    color:rgb(78, 182, 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(78, 182, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 182, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.7350, 40.6216, 78.7358 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(78, 182, 227) }
```


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

```
.border{ border-color:rgb(78, 182, 227) }
```

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

Here you see how a box with a 4 pixel rgb(78, 182, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 182, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 182, 227);  
box-shadow:4px 4px 4px 4px rgb(78, 182,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7350, 40.6216, 78.7358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 182, 227) }
```

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

```
.background{ background-color: rgb(78, 182,  
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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