

Converting Colors

XYZ(33.9303, 41.5629, 75.4680)

Have a look what the booklet for
XYZ(33.9303, 41.5629, 75.4680)
contains.

XYZ(33.8050, 41.3487, 75.3066)	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(33.8050, 41.3487,
75.3066)**

Conversions

Conversions Part 1

Format	Color
Hex	52B8DE
RGB	82, 184, 222
RGB Percent	32%, 72%, 87%
CMY	0.6784, 0.2784, 0.1294
CMYK	0.63, 0.17, 0.00, 0.13
HSL	196°, 68%, 60%
HSV	196°, 63%, 87%
XYZ	33.8050, 41.3487, 75.3066
YIQ	157.8340, -72.9900, -9.8060

Conversions

Conversions Part 2

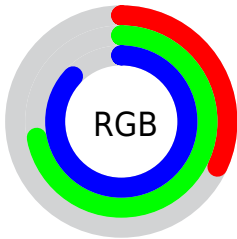
Format	Color
R _Y B	82, 141, 222
Decimal	5421278
CIE Lab	70.42, -18.24, -27.87
CIE LCh	70, 33.310, 236.795
Yxy	41.3487, 0.2247, 0.2748
Android (android.graphics.Color)	4283611358 (0xFF52B8DE)
YUV	157.8340, 31.6338, -66.5064
Hunter-Lab	64.3030, -18.6901, -24.4238

Details

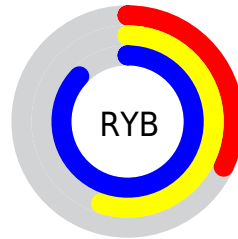
The XYZ color **33.8050, 41.3487, 75.3066** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **38.3652, 29.5737, 11.6706**, and the grayscale version is **32.3107, 33.9934, 37.0188**.

A 20% lighter version of the original color is **60.7117, 75.4695, 105.9750**, and **15.0914, 19.0226, 39.4356** is the 20% darker color. If you saturate the color by 10%, you get **30.9526, 38.0602, 74.8230**, and if you desaturate by 10%, it is **37.3377, 45.0687, 75.8392**.

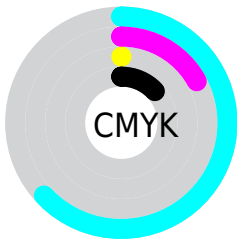
Distribution



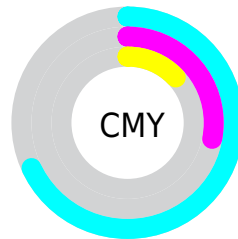
- Red (32%)
- Green (72%)
- Blue (87%)



- Red (32%)
- Yellow (55%)
- Blue (87%)



- Cyan (63%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8050, 41.3487, 75.3066 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 33.8050, 41.3487, 75.3066 by changing the saturation by 10% instead.

■ 33.8050, 41.3487,
75.3066

■ 33.8050, 41.3487,
75.3066

■ 310.8629,
351.7759, 498.2542

■ 22.9060, 28.5917,
55.3609

■ 64.9766, 77.2130,
128.4974

■ 14.6444, 18.7721,
39.2902

■ 85.9800, 101.0889,
162.5795

■ 8.6549, 11.5057,
26.6760

■ 111.0821,
129.4400, 202.2108

■ 4.5721, 6.4081,
17.0997

■ 140.6485,
162.6506, 247.8098

■ 2.0306, 3.0948,
10.1429

■ 175.0444,
201.1051, 299.7951

■ 0.6511, 1.1814,
5.3870

■ 214.6352,

■ 0.0000, 0.0464,

245.1879, 358.5853

2.4134

259.7863,
295.2834, 424.5988

■ 0.0000, 0.0000,
0.7937

■ 0.0000, 0.0000,
0.0000

■ 33.8050, 41.3487,
75.3066

■ 33.8050, 41.3487,
75.3066

■ 30.9526, 38.0602,
74.8230

■ 37.3377, 45.0687,
75.8392

■ 28.7131, 35.1650,
74.3822

■ 41.6017, 49.2450,
76.4206

■ 27.0113, 32.6242,
73.9815

■ 46.6474, 53.9054,
77.0542

■ 26.0600, 31.0241,
73.7227

■ 52.5196, 59.0738,
77.7423

■ 59.2595, 64.7724,
78.4870

■ 66.9053, 71.0218,
79.2903

■ 75.4930, 77.8415,
80.1540

■ 83.3405, 84.3650,
80.9996

■ 85.0680, 87.8200,
81.5754

Harmonies

Analogous

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



30.6208, 41.3487, 60.0513



33.8050, 41.3487, 75.3066



38.7142, 41.3487, 82.3991

Triad

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



33.8050, 41.3487, 75.3066



50.7952, 41.3487, 46.7311



34.7369, 41.3487, 23.0898

Complementary

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



33.8050, 41.3487, 75.3066



38.3652, 29.5737, 11.6706

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.



39.8931, 41.3487, 21.1026



33.8050, 41.3487, 75.3066



49.4830, 41.3487, 32.7357

Square

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



33.8050, 41.3487, 75.3066



48.7988, 41.3487, 63.6646



45.3619, 41.3487, 24.1884



31.1227, 41.3487, 30.4277

Rectangle

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



33.8050, 41.3487, 75.3066



42.4265, 41.3487, 80.5566



45.3619, 41.3487, 24.1884



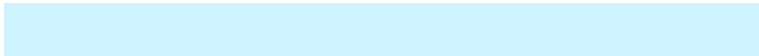
36.3323, 41.3487, 21.8602

Sweetspot

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



33.8064, 41.3502, 75.3076



75.3638, 83.8351, 106.8174



32.9522, 55.3774, 26.5121



15.5807, 17.4744, 22.8017



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.



33.8064, 41.3502, 75.3076



41.2004, 50.6457, 102.2119



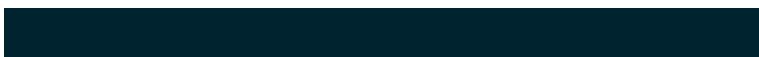
22.7589, 19.2553, 71.6251



13.7855, 14.9101, 17.5391



15.5757, 18.6209, 43.8216



1.1527, 1.4369, 3.0618

Inverse Universe

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



41.7944, 25.0264, 47.9765



53.6271, 28.9019, 58.8756



49.9178, 52.6791, 15.5214



14.1280, 13.8688, 16.4440



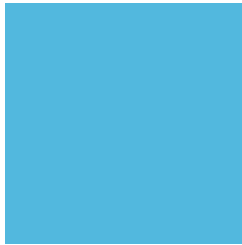
21.8021, 10.7878, 21.4213



1.5481, 0.7625, 1.6791

Previews

White Background



This preview shows how the XYZ color 33.8050, 41.3487, 75.3066 looks on a white background.

Color Contrast Check

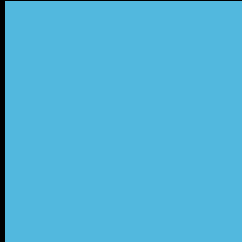
Large Text (above 18pt) WCAG AA × Fail

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 33.8050, 41.3487, 75.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

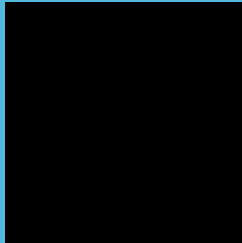
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8050, 41.3487, 75.3066

Background



This preview shows how black text looks on a background with the XYZ color 33.8050, 41.3487, 75.3066.



This preview shows how white text looks on a background with the XYZ color 33.8050, 41.3487,

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

33.8050, 41.3487, 75.3066

Protanopia

40.7696, 40.7065, 67.9957

Deuteranopia

41.6938, 40.7106, 76.8946



Tritanopia

31.2223, 41.2302, 62.8125

Trichromacy



Original Color

33.8050, 41.3487, 75.3066

Protanomaly

37.0464, 40.1355, 70.7601

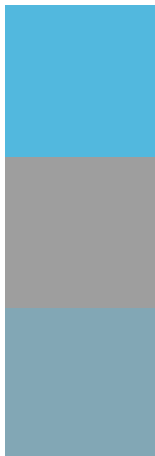
Deuteranomaly

37.7965, 40.3997, 76.3269

Tritanomaly

32.1723, 41.3075, 67.2502

Monochromacy



Original Color

33.8050, 41.3487, 75.3066

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3651, 35.7195, 48.9575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8050, 41.3487, 75.3066 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(82, 184, 222)` looks like.

```
.text, #text, p{  
    color:rgb(82, 184, 222)  
}
```

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(82, 184, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 184, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.8050, 41.3487, 75.3066 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(82, 184, 222) }
```


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

```
.border{ border-color:rgb(82, 184, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 184, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 184, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 184, 222);  
box-shadow:4px 4px 4px 4px rgb(82, 184,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8050, 41.3487, 75.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 184, 222) }
```

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

```
.background{ background-color: rgb(82, 184,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor