

Converting Colors

XYZ(36.9477, 43.2193, 88.8808)

Have a look what the booklet for
XYZ(36.9477, 43.2193, 88.8808)
contains.

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Color

**XYZ(37.0334, 43.3404,
88.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	55BAF0
RGB	85, 186, 240
RGB Percent	33%, 73%, 94%
CMY	0.6666, 0.2706, 0.0588
CMYK	0.65, 0.22, 0.00, 0.06
HSL	201°, 84%, 64%
HSV	201°, 65%, 94%
XYZ	37.0334, 43.3404, 88.8517
YIQ	161.9570, -77.5300, -4.6180

Conversions

Conversions Part 2

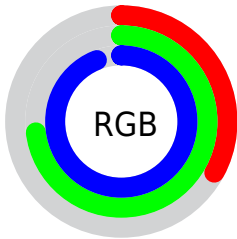
Format	Color
R _Y B	85, 146, 240
Decimal	5618416
CIE _{Lab}	71.79, -13.19, -35.54
CIE _{LCh}	72, 37.911, 249.635
Y _{xy}	43.3404, 0.2188, 0.2561
Android (android.graphics.Color)	4283808496 (0xFF55BAF0)
Y _{UV}	161.9570, 38.4752, -67.4913
Hunter-Lab	65.8334, -14.7966, -33.9370

Details

The XYZ color **37.0334, 43.3404, 88.8517** 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 **46.8092, 37.6488, 13.3960**, and the grayscale version is **34.1759, 35.9557, 39.1558**.

A 20% lighter version of the original color is **62.0149, 77.0202, 106.2056**, and **17.0393, 20.2357, 48.3552** is the 20% darker color. If you saturate the color by 10%, you get **33.5024, 38.9818, 88.1974**, and if you desaturate by 10%, it is **41.4090, 48.2890, 89.5771**.

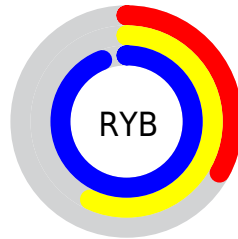
Distribution



Red (33%)

Green (73%)

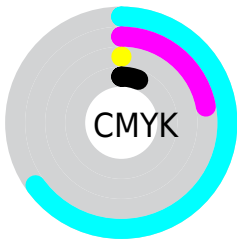
Blue (94%)



Red (33%)

Yellow (57%)

Blue (94%)

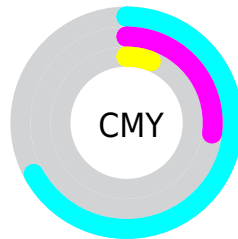


Cyan (65%)

Magenta (22%)

Yellow (0%)

Black (6%)



Cyan (67%)

Magenta (27%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0334, 43.3404, 88.8517 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 37.0334, 43.3404, 88.8517 by changing the saturation by 10% instead.

■ 37.0334, 43.3404,
88.8517

■ 37.0334, 43.3404,
88.8517

324.8081,
360.0098, 544.7618

■ 25.4071, 30.1523,
66.4603

■ 69.9376, 80.2243,
147.6639

■ 16.5110, 19.9542,
48.1873

■ 91.9464, 104.6888,
184.9217

■ 9.9796, 12.3618,
33.6142

■ 118.1466,
133.6810, 227.9722

■ 5.4476, 6.9906,
22.3224

■ 148.9037,
167.5852, 277.2337

■ 2.5496, 3.4562,
13.8934

184.5831,
206.7858, 333.1249

■ 0.9204, 1.3743,
7.9087

225.5500,

■ 0.0000, 0.1977,

251.6671, 396.0643

3.9496

272.1699,
302.6137, 466.4704

■ 0.0000, 0.0000,
1.5978

■ 0.0000, 0.0000,
0.2892

■ 37.0334, 43.3404,
88.8517

■ 37.0334, 43.3404,
88.8517

■ 33.5024, 38.9818,
88.1974

■ 41.4090, 48.2890,
89.5771

■ 30.7316, 35.1649,
87.6067

■ 46.6938, 53.8610,
90.3741

■ 28.6250, 31.8381,
87.0755

■ 52.9507, 60.0922,
91.2470

■ 27.6817, 30.1980,
86.8087

■ 60.2353, 67.0136,
92.1991

68.5989, 74.6542,
93.2330

78.0893, 83.0407,
94.3516

88.7512, 92.1985,
95.5573

92.0604, 97.7354,
96.4516

92.7283, 99.0713,
96.6743

Harmonies

Analogous

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



32.3751, 43.3404, 73.6170



37.0334, 43.3404, 88.8517



43.3010, 43.3404, 91.4944

Triad

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



37.0334, 43.3404, 88.8517



54.6463, 43.3404, 41.5006



33.7895, 43.3404, 24.8106

Complementary

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



37.0334, 43.3404, 88.8517



46.8092, 37.6488, 13.3960

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.



39.1560, 43.3404, 20.1527



37.0334, 43.3404, 88.8517



51.4839, 43.3404, 27.9920

Square

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



37.0334, 43.3404, 88.8517



53.9260, 43.3404, 60.6374



45.6546, 43.3404, 21.1418



30.6421, 43.3404, 35.8945

Rectangle

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



37.0334, 43.3404, 88.8517



47.6245, 43.3404, 85.2096



45.6546, 43.3404, 21.1418



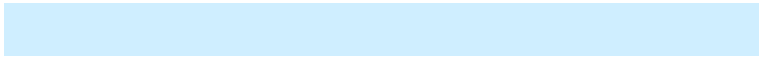
35.3696, 43.3404, 22.5918

Sweetspot

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



37.0349, 43.3419, 88.8528



74.2661, 81.6398, 106.4516



39.3994, 66.0493, 34.2163



15.3137, 16.9405, 22.7127



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.



37.0349, 43.3419, 88.8528



37.5170, 43.5072, 101.0281



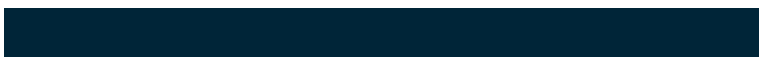
25.1425, 19.5572, 84.8886



15.7569, 16.9480, 20.1624



15.2825, 16.7892, 47.5630



1.3641, 1.5821, 3.9877

Inverse Universe

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



48.0479, 28.5691, 49.4378



51.7121, 27.9225, 49.4495



61.6649, 67.3602, 18.3479



16.2068, 15.9324, 18.6450



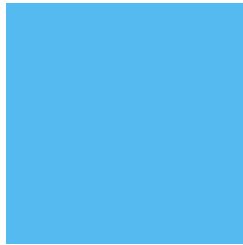
23.0395, 11.4882, 18.6564



1.9635, 0.9744, 1.7985

Previews

White Background



This preview shows how the XYZ color 37.0334, 43.3404, 88.8517 looks on a white background.

Color Contrast Check

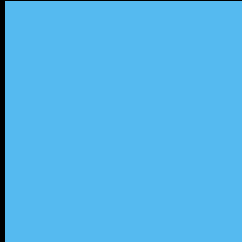
Large Text (above 18pt) WCAG AA × Fail

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 37.0334, 43.3404, 88.8517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

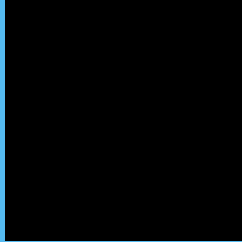
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

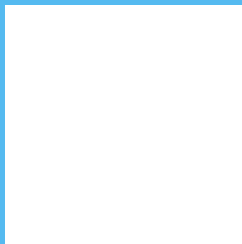
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0334, 43.3404, 88.8517

Background



This preview shows how black text looks on a background with the XYZ color 37.0334, 43.3404, 88.8517.



This preview shows how white text looks on a background with the XYZ color 37.0334, 43.3404,

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

37.0334, 43.3404, 88.8517

Protanopia

43.5246, 42.9712, 80.8632

Deuteranopia

44.0701, 43.0336, 90.7776



Tritanopia

32.4960, 43.4332, 65.7022

Trichromacy



Original Color

37.0334, 43.3404, 88.8517

Protanomaly

40.2874, 42.6868, 83.9579

Deuteranomaly

40.8495, 42.8408, 90.1205

Tritanomaly

34.0237, 43.3972, 73.6011

Monochromacy



Original Color

37.0334, 43.3404, 88.8517

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.6887, 37.9119, 54.2573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0334, 43.3404, 88.8517 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(85, 186, 240)` looks like.

```
.text, #text, p{  
    color:rgb(85, 186, 240)  
}
```

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(85, 186, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 186, 240) }
```

Border

The CSS property to change the border of an element to XYZ 37.0334, 43.3404, 88.8517 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(85, 186, 240) }
```


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

```
.border{ border-color:rgb(85, 186, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 186, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 186, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 186, 240);  
box-shadow:4px 4px 4px 4px rgb(85, 186,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0334, 43.3404, 88.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 186, 240) }
```

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

```
.background{ background-color: rgb(85, 186,  
240) }
```

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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