

Converting Colors

XYZ(35.9954, 43.6590, 86.2232)

Have a look what the booklet for
XYZ(35.9954, 43.6590, 86.2232)
contains.

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Color

**XYZ(36.0104, 43.8290,
85.9188)**

Conversions

Conversions Part 1

Format	Color
Hex	48BDEC
RGB	72, 189, 236
RGB Percent	28%, 74%, 93%
CMY	0.7176, 0.2588, 0.0745
CMYK	0.69, 0.20, 0.00, 0.07
HSL	197°, 81%, 60%
HSV	197°, 69%, 93%
XYZ	36.0104, 43.8290, 85.9188
YIQ	159.3750, -84.8190, -10.1870

Conversions

Conversions Part 2

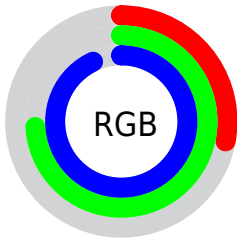
Format	Color
RYB	72, 140, 236
Decimal	4767212
CIELab	72.11, -18.00, -32.90
CIELCh	72, 37.500, 241.308
Yxy	43.8290, 0.2172, 0.2644
Android (android.graphics.Color)	4282957292 (0xFF48BDEC)
YUV	159.3750, 37.7761, -76.6279
Hunter-Lab	66.2035, -18.7636, -30.6041

Details

The XYZ color **36.0104, 43.8290, 85.9188** 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 **42.3604, 31.4970, 9.9796**, and the grayscale version is **32.9884, 34.7064, 37.7952**.

A 20% lighter version of the original color is **61.1836, 77.9281, 106.4246**, and **17.0424, 20.9036, 46.3166** is the 20% darker color. If you saturate the color by 10%, you get **33.1558, 40.2484, 85.3790**, and if you desaturate by 10%, it is **39.6107, 47.8963, 86.5150**.

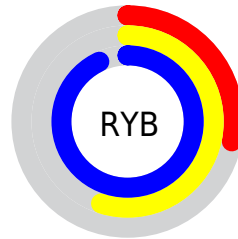
Distribution



Red (28%)

Green (74%)

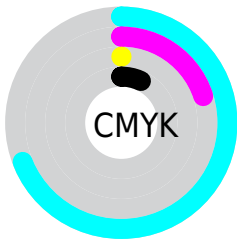
Blue (93%)



Red (28%)

Yellow (55%)

Blue (93%)

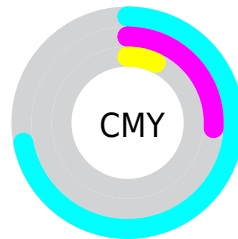


Cyan (69%)

Magenta (20%)

Yellow (0%)

Black (7%)



Cyan (72%)

Magenta (26%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0104, 43.8290, 85.9188 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 36.0104, 43.8290, 85.9188 by changing the saturation by 10% instead.

■ 36.0104, 43.8290,
85.9188

■ 36.0104, 43.8290,
85.9188

320.4364,
362.0100, 534.8871

■ 24.6124, 30.5361,
64.0463

■ 68.3719, 80.9604,
143.5417

■ 15.9157, 20.2459,
46.2418

■ 90.0661, 105.5676,
180.1292

■ 9.5550, 12.5739,
32.0866

■ 115.9230,
134.7151, 222.4588

■ 5.1649, 7.1358,
21.1623

■ 146.3080,
168.7873, 270.9491

■ 2.3801, 3.5472,
13.0503

181.5865,
208.1684, 326.0185

■ 0.8352, 1.4236,
7.3320

222.1239,

■ 0.0000, 0.2340,

253.2430, 388.0856

3.5890

268.2854,
304.3954, 457.5689

■ 0.0000, 0.0000,
1.4027

■ 0.0000, 0.0000,
0.1438

■ 36.0104, 43.8290,
85.9188

■ 36.0104, 43.8290,
85.9188

■ 33.1558, 40.2484,
85.3790

■ 39.6107, 47.8963,
86.5150

■ 30.9593, 37.1057,
84.8881

■ 44.0223, 52.4832,
87.1678

■ 29.2900, 34.3327,
84.4409

■ 49.3080, 57.6240,
87.8815

■ 29.2105, 34.1963,
84.4187

■ 55.5232, 63.3487,
88.6589

■ 62.7183, 69.6844,
89.5026

■ 70.9400, 76.6565,
90.4150

■ 80.2319, 84.2887,
91.3984

■ 88.4645, 91.4842,
92.3534

■ 90.5274, 95.6100,
93.0410

Harmonies

Analogous

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



31.9799, 43.8290, 68.5418



36.0104, 43.8290, 85.9188



41.9404, 43.8290, 92.4875

Triad

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



36.0104, 43.8290, 85.9188



55.2520, 43.8290, 46.9202



35.5695, 43.8290, 23.4492

Complementary

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



36.0104, 43.8290, 85.9188



42.3604, 31.4970, 9.9796

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.



41.3771, 43.8290, 20.3939



36.0104, 43.8290, 85.9188



53.1150, 43.8290, 31.6136

Square

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



36.0104, 43.8290, 85.9188



53.4469, 43.8290, 66.7786



47.8675, 43.8290, 22.9505



31.7444, 43.8290, 32.6873

Rectangle

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



36.0104, 43.8290, 85.9188



46.3048, 43.8290, 88.7969



47.8675, 43.8290, 22.9505



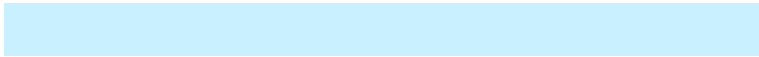
37.3332, 43.8290, 21.7899

Sweetspot

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



36.0119, 43.8306, 85.9199



73.3165, 81.8160, 106.5356



35.9674, 62.6890, 27.4923



15.1694, 17.0548, 22.7423



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.



36.0119, 43.8306, 85.9199



38.4291, 46.4773, 101.5533



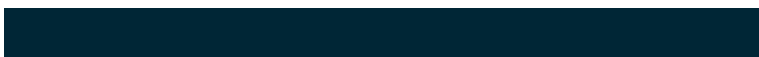
23.1281, 18.0631, 81.6253



15.1318, 16.3500, 19.2806



16.2173, 19.0815, 46.5713



1.3549, 1.6614, 3.6841

Inverse Universe

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



46.0961, 26.1434, 50.7621



51.8928, 26.9238, 53.7025



56.5258, 59.8276, 14.7014



15.5201, 15.2359, 18.0240



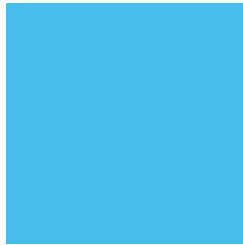
23.0410, 11.4191, 21.8151



1.8504, 0.9131, 1.9297

Previews

White Background



This preview shows how the XYZ color 36.0104, 43.8290, 85.9188 looks on a white background.

Color Contrast Check

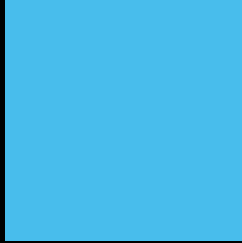
Large Text (above 18pt) WCAG AA × Fail

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 36.0104, 43.8290, 85.9188 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

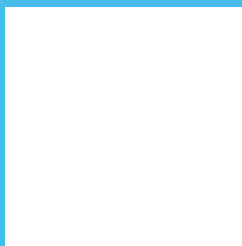
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0104, 43.8290, 85.9188

Background



This preview shows how black text looks on a background with the XYZ color 36.0104, 43.8290, 85.9188.

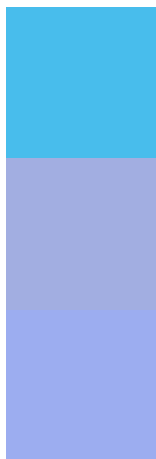


This preview shows how white text looks on a background with the XYZ color 36.0104, 43.8290,

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

36.0104, 43.8290, 85.9188

Protanopia

43.6270, 43.3897, 77.3098

Deuteranopia

44.3820, 43.2463, 88.4463



Tritanopia

32.3217, 43.9713, 67.1054

Trichromacy



Original Color

36.0104, 43.8290, 85.9188

Protanomaly

39.3162, 42.5645, 80.2723

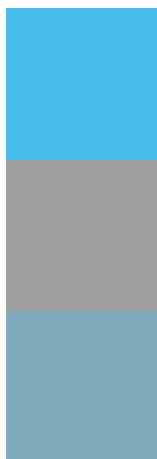
Deuteranomaly

40.1575, 42.8322, 87.8123

Tritanomaly

33.5603, 43.8058, 73.7044

Monochromacy



Original Color

36.0104, 43.8290, 85.9188

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0968, 36.8493, 52.4347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0104, 43.8290, 85.9188 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(72, 189, 236)` looks like.

```
.text, #text, p{  
    color:rgb(72, 189, 236)  
}
```

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(72, 189, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 189, 236) }
```

Border

The CSS property to change the border of an element to XYZ 36.0104, 43.8290, 85.9188 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(72, 189, 236) }
```


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

```
.border{ border-color:rgb(72, 189, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 189, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 189, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 189, 236);  
box-shadow:4px 4px 4px 4px rgb(72, 189,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0104, 43.8290, 85.9188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 189, 236) }
```

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

```
.background{ background-color: rgb(72, 189,  
236) }
```

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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