

Converting Colors

XYZ(36.7833, 44.0097, 93.3982)

Have a look what the booklet for
XYZ(36.7833, 44.0097, 93.3982)
contains.

XYZ(36.8820, 44.1058, 93.7582)	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(36.8820, 44.1058,
93.7582)**

Conversions

Conversions Part 1

Format	Color
Hex	3FBDF6
RGB	63, 189, 246
RGB Percent	25%, 74%, 96%
CMY	0.7529, 0.2588, 0.0353
CMYK	0.74, 0.23, 0.00, 0.04
HSL	199°, 91%, 61%
HSV	199°, 74%, 96%
XYZ	36.8820, 44.1058, 93.7582
YIQ	157.8240, -93.3930, -8.9850

Conversions

Conversions Part 2

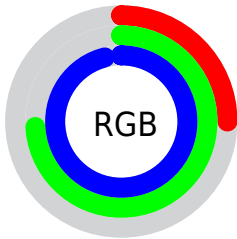
Format	Color
R _Y B	63, 138, 246
Decimal	4177398
CIE Lab	72.30, -15.91, -38.03
CIE LCh	72, 41.226, 247.306
Yxy	44.1058, 0.2111, 0.2524
Android (android.graphics.Color)	4282367478 (0xFF3FBDF6)
YUV	157.8240, 43.4708, -83.1606
Hunter-Lab	66.4122, -17.0914, -37.2148

Details

The XYZ color **36.8820, 44.1058, 93.7582** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **45.6217, 33.3876, 8.7443**, and the grayscale version is **32.2616, 33.9417, 36.9625**.

A 20% lighter version of the original color is **60.5339, 77.5931, 106.3942**, and **17.9895, 21.2824, 51.3039** is the 20% darker color. If you saturate the color by 10%, you get **34.0424, 40.2600, 93.1664**, and if you desaturate by 10%, it is **40.5129, 48.4903, 94.4140**.

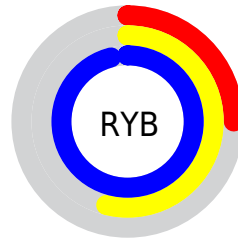
Distribution



Red (25%)

Green (74%)

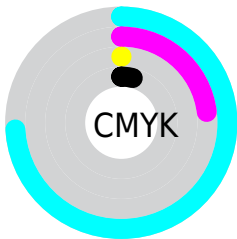
Blue (96%)



Red (25%)

Yellow (54%)

Blue (96%)

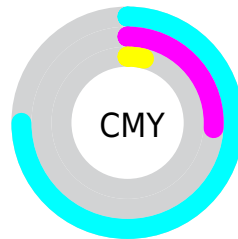


Cyan (74%)

Magenta (23%)

Yellow (0%)

Black (4%)



Cyan (75%)

Magenta (26%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8820, 44.1058, 93.7582 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 36.8820, 44.1058, 93.7582 by changing the saturation by 10% instead.

■ 36.8820, 44.1058,
93.7582

■ 36.8820, 44.1058,
93.7582

324.1638,
363.1398, 561.0643

■ 25.2894, 30.7537,
70.5107

■ 69.7063, 81.3769,
154.5287

■ 16.4227, 20.4114,
51.4636

■ 91.6687, 106.0647,
192.8887

■ 9.9165, 12.6944,
36.1984

■ 117.8183,
135.2999, 237.1233

■ 5.4055, 7.2185,
24.2966

■ 148.5207,
169.4668, 287.6511

■ 2.5243, 3.5991,
15.3395

184.1410,
208.9499, 344.8905

■ 0.9075, 1.4519,
8.9088

225.0448,

■ 0.0000, 0.2545,

254.1335, 409.2602

4.5857

271.5972,
305.4020, 481.1786

■ 0.0000, 0.0000,
1.9519

■ 0.0000, 0.0000,
0.5254

■ 36.8820, 44.1058,
93.7582

■ 36.8820, 44.1058,
93.7582

■ 34.0424, 40.2600,
93.1664

■ 40.5129, 48.4903,
94.4140

■ 31.8867, 36.8933,
92.6302

■ 45.0147, 53.4543,
95.1349

■ 30.8926, 35.1696,
92.3499

■ 50.4616, 59.0386,
95.9257

■ 56.9182, 65.2783,
96.7898

■ 64.4430, 72.2055,
97.7303

■ 73.0900, 79.8498,
98.7500

■ 82.9092, 88.2387,
99.8517

■ 92.1547, 96.4738,
100.9539

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



31.9924, 44.1058, 75.7617



36.8820, 44.1058, 93.7582



43.6775, 44.1058, 98.0457

Triad

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



36.8820, 44.1058, 93.7582



56.9369, 44.1058, 43.2316



34.1952, 44.1058, 23.1957

Complementary

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



36.8820, 44.1058, 93.7582



45.6217, 33.3876, 8.7443

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.



40.2127, 44.1058, 18.7898



36.8820, 44.1058, 93.7582



53.7172, 44.1058, 28.0470

Square

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



36.8820, 44.1058, 93.7582



55.7869, 44.1058, 64.7034



47.3998, 44.1058, 20.2737



30.5675, 44.1058, 34.4893

Rectangle

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



36.8820, 44.1058, 93.7582



48.4861, 44.1058, 91.7012



47.3998, 44.1058, 20.2737



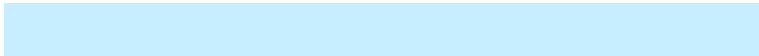
35.9775, 44.1058, 21.0295

Sweetspot

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



36.8835, 44.1073, 93.7593



72.0133, 80.2216, 106.2966



38.2714, 68.2752, 28.2725



14.8971, 16.7068, 22.6895



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.



36.8835, 44.1073, 93.7593



35.7348, 41.8767, 100.8073



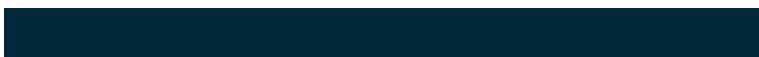
23.2052, 16.7507, 89.1999



16.5359, 17.8360, 21.1137



16.6198, 19.0334, 49.3359



1.5521, 1.8556, 4.3666

Inverse Universe

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



48.9702, 26.8236, 50.7420



50.3405, 25.5665, 47.7985



61.8035, 65.7512, 14.1383



16.9811, 16.6753, 19.6468



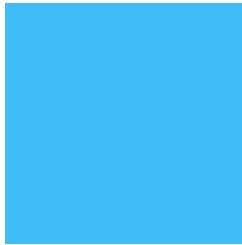
24.1934, 12.0208, 21.5248



2.1725, 1.0750, 2.1346

Previews

White Background



This preview shows how the XYZ color 36.8820, 44.1058, 93.7582 looks on a white background.

Color Contrast Check

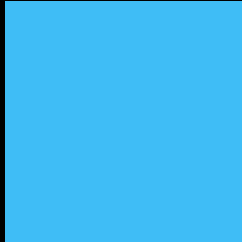
Large Text (above 18pt) WCAG AA × Fail

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 36.8820, 44.1058, 93.7582 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

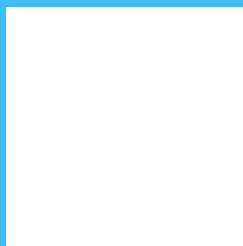
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8820, 44.1058, 93.7582

Background



This preview shows how black text looks on a background with the XYZ color 36.8820, 44.1058, 93.7582.



This preview shows how white text looks on a background with the XYZ color 36.8820, 44.1058,

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

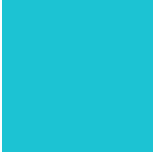
36.8820, 44.1058, 93.7582

Protanopia

44.2854, 43.5835, 83.9203

Deuteranopia

44.6294, 43.5012, 95.6669



Tritanopia

31.7519, 43.9802, 68.4436

Trichromacy



Original Color

36.8820, 44.1058, 93.7582

Protanomaly

39.8649, 42.6983, 87.0294

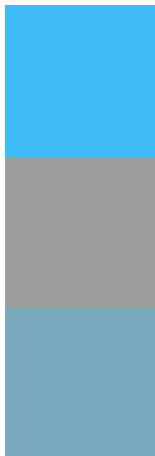
Deuteranomaly

40.5346, 42.8691, 94.9451

Tritanomaly

33.4390, 43.9932, 77.2501

Monochromacy



Original Color

36.8820, 44.1058, 93.7582

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.6506, 36.3046, 54.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8820, 44.1058, 93.7582 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(63, 189, 246)` looks like.

```
.text, #text, p{  
    color:rgb(63, 189, 246)  
}
```

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(63, 189, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 189, 246) }
```

Border

The CSS property to change the border of an element to XYZ 36.8820, 44.1058, 93.7582 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(63, 189, 246) }
```


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

```
.border{ border-color:rgb(63, 189, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 189, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 189, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 189, 246);  
box-shadow:4px 4px 4px 4px rgb(63, 189,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8820, 44.1058, 93.7582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 189, 246) }
```

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

```
.background{ background-color: rgb(63, 189,  
246) }
```

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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