

Converting Colors

XYZ(35.5169, 46.7560, 82.9037)

Have a look what the booklet for
XYZ(35.5169, 46.7560, 82.9037)
contains.

XYZ(35.3808, 46.5510, 82.7218)	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(35.3808, 46.5510,
82.7218)**

Conversions

Conversions Part 1

Format	Color
Hex	25C6E7
RGB	37, 198, 231
RGB Percent	15%, 78%, 91%
CMY	0.8548, 0.2235, 0.0941
CMYK	0.84, 0.14, 0.00, 0.09
HSL	190°, 80%, 53%
HSV	190°, 84%, 91%
XYZ	35.3808, 46.5510, 82.7218
YIQ	153.6230, -106.5490, -23.8690

Conversions

Conversions Part 2

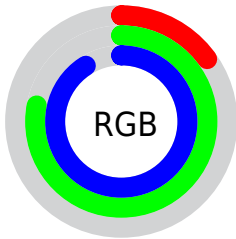
Format	Color
RYP	37, 125, 231
Decimal	2475751
CIELab	73.90, -27.83, -27.49
CIElCh	74, 39.119, 224.650
Yxy	46.5510, 0.2149, 0.2827
Android (android.graphics.Color)	4280665831 (0xFF25C6E7)
YUV	153.6230, 38.1469, -102.2784
Hunter-Lab	68.2283, -26.8357, -24.1250

Details

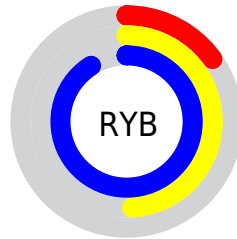
The XYZ color **35.3808, 46.5510, 82.7218** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.4809, 21.5054, 4.0328**, and the grayscale version is **30.4250, 32.0094, 34.8583**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **17.7111, 23.0417, 44.0715** is the 20% darker color. If you saturate the color by 10%, you get **33.9119, 44.4784, 82.4001**, and if you desaturate by 10%, it is **37.3993, 48.9433, 83.0781**.

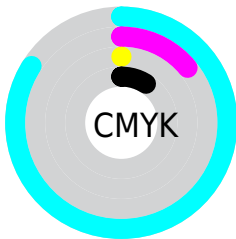
Distribution



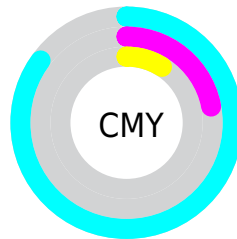
- Red (15%)
- Green (78%)
- Blue (91%)



- Red (15%)
- Yellow (49%)
- Blue (91%)



- Cyan (84%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (85%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3808, 46.5510, 82.7218 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 35.3808, 46.5510, 82.7218 by changing the saturation by 10% instead.

35.3808, 46.5510,
82.7218

35.3808, 46.5510,
82.7218

317.7246,
373.0194, 524.0056

24.1242, 32.6808,
61.4214

67.4054, 85.0430,
139.0315

15.5510, 21.8821,
44.1326

88.9042, 110.4337,
174.8779

9.2959, 13.7703,
30.4368

114.5477,
140.4333, 216.4100

4.9933, 7.9611,
19.9155

144.7014,
175.4262, 264.0464

2.2781, 4.0700,
12.1502

179.7306,
215.7969, 318.2056

0.7834, 1.7128,
6.7223

220.0006,

0.0000, 0.4319,

261.9298, 379.3062

3.2132

265.8768,
314.2091, 447.7667

■ 0.0000, 0.0000,
1.2045

■ 0.0000, 0.0000,
0.0000

■ 35.3808, 46.5510,
82.7218

■ 35.3808, 46.5510,
82.7218

■ 33.9119, 44.4784,
82.4001

■ 37.3993, 48.9433,
83.0781

■ 33.2089, 43.3395,
82.2173

■ 40.0488, 51.6948,
83.4695

■ 43.4011, 54.8437,
83.9006

■ 47.5172, 58.4218,
84.3743

■ 52.4514, 62.4571,
84.8932

■ 58.2527, 66.9754,
85.4595

■ 64.9664, 72.0001,
86.0755

■ 72.6344, 77.5530,
86.7432

■ 81.2961, 83.6549,
87.4645

Harmonies

Analogous

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



32.5062, 46.5510, 61.0245



35.3808, 46.5510, 82.7218



40.7921, 46.5510, 97.4300

Triad

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



35.3808, 46.5510, 82.7218



58.4658, 46.5510, 61.5386



40.9422, 46.5510, 21.8857

Complementary

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



35.3808, 46.5510, 82.7218



35.4809, 21.5054, 4.0328

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.



47.8881, 46.5510, 21.9551



35.3808, 46.5510, 82.7218



58.5168, 46.5510, 41.5867

Square

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



35.3808, 46.5510, 82.7218



54.3462, 46.5510, 83.1823



54.4791, 46.5510, 28.2172



35.4806, 46.5510, 27.9934

Rectangle

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



35.3808, 46.5510, 82.7218



45.3405, 46.5510, 99.3639



54.4791, 46.5510, 28.2172



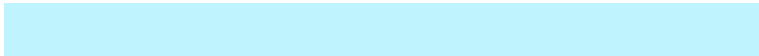
43.1679, 46.5510, 21.2513

Sweetspot

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



35.3823, 46.5527, 82.7229



71.9962, 83.1237, 106.8576



30.4250, 57.9802, 15.2751



14.8438, 17.3547, 22.8174



0.0000, 0.0000, 0.0000



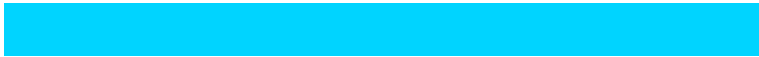
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.3823, 46.5527, 82.7229



41.4990, 54.1179, 102.8663



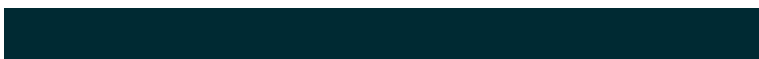
19.9076, 15.6033, 77.5647



14.5879, 15.8971, 18.4439



18.6973, 24.4567, 46.1183



1.4371, 1.9180, 3.4264

Inverse Universe

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



43.8109, 22.3908, 55.4405



53.0760, 25.9944, 64.2573



46.9879, 44.5193, 7.8684



14.8843, 14.5709, 17.5912



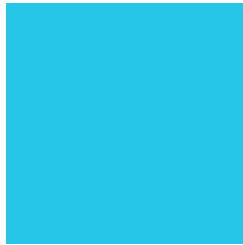
23.8310, 11.6666, 29.0689



1.7890, 0.8733, 2.2953

Previews

White Background



This preview shows how the XYZ color 35.3808, 46.5510, 82.7218 looks on a white background.

Color Contrast Check

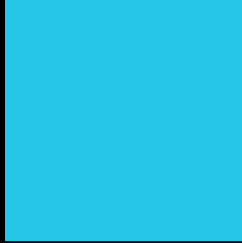
Large Text (above 18pt) WCAG AA × Fail

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 35.3808, 46.5510, 82.7218 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 35.3808, 46.5510, 82.7218

Background



This preview shows how black text looks on a background with the XYZ color 35.3808, 46.5510, 82.7218.



This preview shows how white text looks on a background with the XYZ color 35.3808, 46.5510,

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

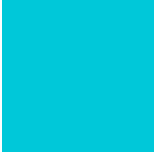
35.3808, 46.5510, 82.7218

Protanopia

45.4580, 45.6212, 72.0555

Deuteranopia

47.0109, 45.8252, 85.7243



Tritanopia

33.1787, 46.3183, 72.8373

Trichromacy



Original Color

35.3808, 46.5510, 82.7218



Protanomaly

38.7022, 44.1828, 75.5956



Deuteranomaly

39.9460, 44.6315, 84.3513



Tritanomaly

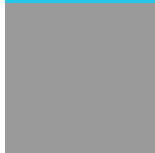
33.7742, 46.2063, 76.2459

Monochromacy



Original Color

35.3808, 46.5510, 82.7218



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.3738, 35.5064, 49.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3808, 46.5510, 82.7218 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(37, 198, 231)` looks like.

```
.text, #text, p{  
    color:rgb(37, 198, 231)  
}
```

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(37, 198, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 198, 231) }
```

Border

The CSS property to change the border of an element to XYZ 35.3808, 46.5510, 82.7218 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(37, 198, 231) }
```


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

```
.border{ border-color:rgb(37, 198, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 198, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 198, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 198, 231);  
box-shadow:4px 4px 4px 4px rgb(37, 198,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3808, 46.5510, 82.7218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 198, 231) }
```

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

```
.background{ background-color: rgb(37, 198,  
231) }
```

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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