

Converting Colors

XYZ(35.7246, 46.5913, 77.9159)

Have a look what the booklet for
XYZ(35.7246, 46.5913, 77.9159)
contains.

XYZ(35.6008, 46.4381, 77.6081)	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(35.6008, 46.4381,
77.6081)**

Conversions

Conversions Part 1

Format	Color
Hex	41C5E0
RGB	65, 197, 224
RGB Percent	25%, 77%, 88%
CMY	0.7451, 0.2274, 0.1216
CMYK	0.71, 0.12, 0.00, 0.12
HSL	190°, 72%, 57%
HSV	190°, 71%, 88%
XYZ	35.6008, 46.4381, 77.6081
YIQ	160.6100, -87.3390, -19.5870

Conversions

Conversions Part 2

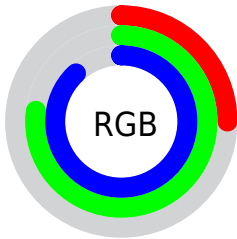
Format	Color
RYB	65, 137, 224
Decimal	4310496
CIELab	73.83, -26.77, -23.78
CIELCh	74, 35.806, 221.608
Yxy	46.4381, 0.2230, 0.2909
Android (android.graphics.Color)	4282500576 (0xFF41C5E0)
YUV	160.6100, 31.2513, -83.8500
Hunter-Lab	68.1455, -26.0021, -19.8211

Details

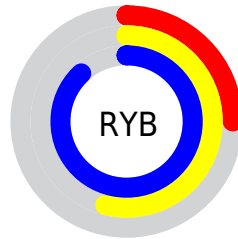
The XYZ color **35.6008, 46.4381, 77.6081** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.5233, 23.8853, 7.7408**, and the grayscale version is **33.5863, 35.3354, 38.4802**.

A 20% lighter version of the original color is **63.1647, 83.0902, 107.3166**, and **16.9839, 22.5095, 40.9857** is the 20% darker color. If you saturate the color by 10%, you get **33.5487, 44.1150, 77.2687**, and if you desaturate by 10%, it is **38.2653, 49.1111, 77.9845**.

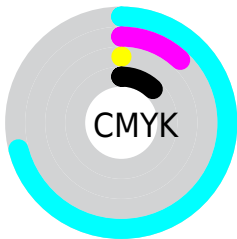
Distribution



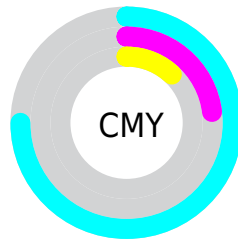
- Red (25%)
- Green (77%)
- Blue (88%)



- Red (25%)
- Yellow (54%)
- Blue (88%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (12%)



- Cyan (75%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6008, 46.4381, 77.6081 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 35.6008, 46.4381, 77.6081 by changing the saturation by 10% instead.

■ 35.6008, 46.4381,
77.6081

■ 35.6008, 46.4381,
77.6081

318.6741,
372.5672, 506.3275

■ 24.2947, 32.5917,
57.2376

■ 67.7434, 84.8743,
131.7784

■ 15.6783, 21.8138,
40.7854

■ 89.3106, 110.2328,
166.4152

■ 9.3862, 13.7202,
27.8330

■ 115.0289,
140.1975, 206.6445

■ 5.0531, 7.9263,
17.9619

■ 145.2636,
175.1528, 252.8848

■ 2.3135, 4.0478,
10.7534

180.3801,
215.4829, 305.5548

■ 0.8016, 1.7003,
5.7892

220.7438,

■ 0.0000, 0.4239,

261.5725, 365.0728

2.6506

266.7200,
313.8058, 431.8575

■ 0.0000, 0.0000,
0.9184

■ 0.0000, 0.0000,
0.0000

■ 35.6008, 46.4381,
77.6081

■ 35.6008, 46.4381,
77.6081

■ 33.5487, 44.1150,
77.2687

■ 38.2653, 49.1111,
77.9845

■ 32.0302, 42.0982,
76.9595

■ 41.5999, 52.1613,
78.3975

■ 31.0058, 40.4840,
76.7019

■ 45.6606, 55.6185,
78.8508

■ 50.4959, 59.5082,
79.3467

■ 56.1504, 63.8533,
79.8874

■ 62.6649, 68.6754,
80.4748

■ 70.0777, 73.9943,
81.1107

■ 78.4245, 79.8286,
81.7969

■ 83.3371, 83.9266,
82.3290

Harmonies

Analogous

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



33.1971, 46.4381, 57.9531



35.6008, 46.4381, 77.6081



40.3862, 46.4381, 91.6753

Triad

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



35.6008, 46.4381, 77.6081



56.8071, 46.4381, 62.4547



41.7197, 46.4381, 23.4035

Complementary

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



35.6008, 46.4381, 77.6081



35.5233, 23.8853, 7.7408

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.



48.1153, 46.4381, 24.0521



35.6008, 46.4381, 77.6081



57.2520, 46.4381, 43.8298

Square

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



35.6008, 46.4381, 77.6081



52.7787, 46.4381, 81.5782



53.9414, 46.4381, 30.6682



36.4960, 46.4381, 28.6134

Rectangle

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



35.6008, 46.4381, 77.6081



44.4826, 46.4381, 94.3437



53.9414, 46.4381, 30.6682



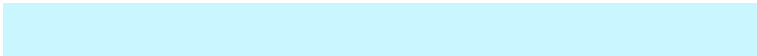
43.7953, 46.4381, 22.9851

Sweetspot

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



35.6023, 46.4398, 77.6092



75.1859, 85.5546, 107.1587



30.7471, 55.2003, 19.0474



15.6182, 17.9524, 22.8919



0.0000, 0.0000, 0.0000



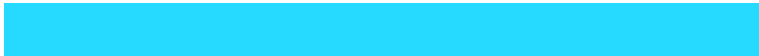
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6023, 46.4398, 77.6092



43.9800, 57.8798, 103.4617



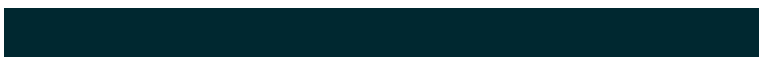
22.1148, 19.4649, 73.1134



13.9082, 15.1554, 17.5799



18.1214, 23.7124, 44.6702



1.3092, 1.7498, 3.1140

Inverse Universe

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



42.7102, 23.6607, 55.1408



54.6213, 27.7343, 68.9365



46.2591, 45.3569, 11.3194



14.1899, 13.8936, 16.7700



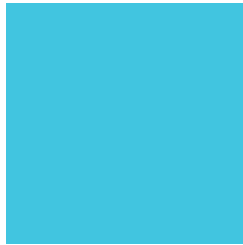
23.0870, 11.3018, 28.1879



1.6271, 0.7941, 2.0949

Previews

White Background



This preview shows how the XYZ color 35.6008, 46.4381, 77.6081 looks on a white background.

Color Contrast Check

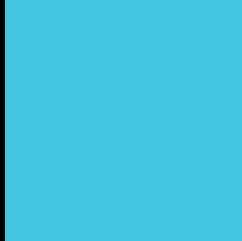
Large Text (above 18pt) WCAG AA × Fail

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 35.6008, 46.4381, 77.6081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

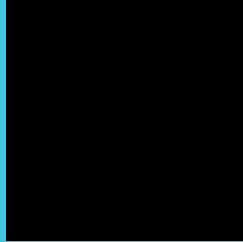
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6008, 46.4381, 77.6081

Background



This preview shows how black text looks on a background with the XYZ color 35.6008, 46.4381, 77.6081.



This preview shows how white text looks on a background with the XYZ color 35.6008, 46.4381,

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

35.6008, 46.4381, 77.6081

Protanopia

45.3335, 45.9420, 68.1064

Deuteranopia

46.8783, 45.8721, 80.5122



Tritanopia

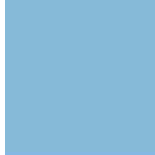
34.4928, 46.6830, 71.4827

Trichromacy



Original Color

35.6008, 46.4381, 77.6081



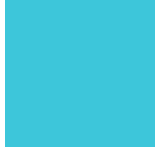
Protanomaly

39.7851, 45.1440, 71.5825



Deuteranomaly

40.6785, 44.8136, 79.1789



Tritanomaly

34.7734, 46.4422, 73.4612

Monochromacy



Original Color

35.6008, 46.4381, 77.6081



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.3920, 38.1684, 51.0074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6008, 46.4381, 77.6081 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(65, 197, 224)` looks like.

```
.text, #text, p{  
    color:rgb(65, 197, 224)  
}
```

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(65, 197, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 197, 224) }
```

Border

The CSS property to change the border of an element to XYZ 35.6008, 46.4381, 77.6081 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(65, 197, 224) }
```


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

```
.border{ border-color:rgb(65, 197, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 197, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 197, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 197, 224);  
box-shadow:4px 4px 4px 4px rgb(65, 197,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6008, 46.4381, 77.6081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 197, 224) }
```

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

```
.background{ background-color: rgb(65, 197,  
224) }
```

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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