

Converting Colors

XYZ(17.5897, 36.6320, 89.1247)

Have a look what the booklet for
XYZ(17.5897, 36.6320, 89.1247)
contains.

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Color

**XYZ(35.6171, 45.8307,
90.1881)**

Conversions

Conversions Part 1

Format	Color
Hex	00C4F1
RGB	0, 196, 241
RGB Percent	0%, 77%, 95%
CMY	0.9997, 0.2314, 0.0549
CMYK	1.00, 0.19, 0.00, 0.05
HSL	191°, 100%, 47%
HSV	191°, 100%, 95%
XYZ	35.6171, 45.8307, 90.1881
YIQ	142.5260, -131.2610, -27.5570

Conversions

Conversions Part 2

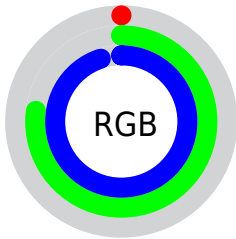
Format	Color
RYB	0, 108, 241
Decimal	50417
CIELab	73.44, -25.02, -33.63
CIELCh	73, 41.916, 233.348
Yxy	45.8307, 0.2075, 0.2670
Android (android.graphics.Color)	4278240497 (0xFF00C4F1)
YUV	142.5260, 48.5477, -124.9953
Hunter-Lab	67.6984, -24.5607, -31.5976

Details

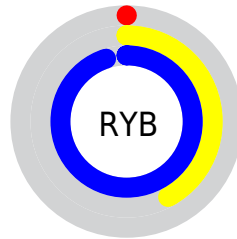
The XYZ color **35.6171, 45.8307, 90.1881** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.2173, 20.5829, 2.0133**, and the grayscale version is **25.7787, 27.1213, 29.5350**.

A 20% lighter version of the original color is **59.7308, 80.8501, 107.0652**, and **18.4300, 22.8488, 49.3378** is the 20% darker color. If you saturate the color by 10%, you get **35.6150, 45.8262, 90.1883**, and if you desaturate by 10%, it is **37.0291, 48.0894, 90.5506**.

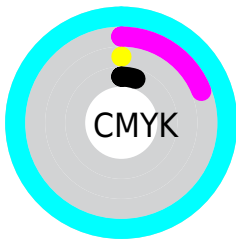
Distribution



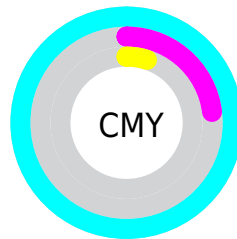
- Red (0%)
- Green (77%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (23%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6171, 45.8307, 90.1881 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 35.6171, 45.8307, 90.1881 by changing the saturation by 10% instead.

35.6171, 45.8307,
90.1881

35.6171, 45.8307,
90.1881

318.7444,
370.1276, 549.2284

24.3074, 32.1122,
67.5621

67.7684, 83.9656,
149.5374

15.6877, 21.4472,
49.0771

89.3407, 109.1508,
187.0978

9.3929, 13.4513,
34.3146

115.0645,
138.9270, 230.4734

5.0575, 7.7401,
22.8561

145.3052,
173.6787, 280.0828

2.3161, 3.9291,
14.2830

180.4282,
213.7902, 336.3444

0.8029, 1.6340,
8.1767

220.7988,

0.0000, 0.3803,

259.6459, 399.6769

4.1189

266.7824,
311.6302, 470.4987

■ 0.0000, 0.0000,
1.6908

■ 0.0000, 0.0000,
0.3544

■ 35.6171, 45.8307,
90.1881

■ 35.6171, 45.8307,
90.1881

■ 35.6150, 45.8262,
90.1883

■ 37.0291, 48.0894,
90.5506

■ 38.9414, 50.6507,
90.9442

■ 41.5021, 53.5923,
91.3770

■ 44.7989, 56.9598,
91.8532

■ 48.9054, 60.7914,
92.3764

■ 53.8861, 65.1208,
92.9495

■ 59.7987, 69.9781,
93.5754

■ 66.6959, 75.3907,
94.2566

■ 74.6264, 81.3843,
94.9955

Harmonies

Analogous

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



31.7739, 45.8307, 67.8299



35.6171, 45.8307, 90.1881



41.9355, 45.8307, 102.2184

Triad

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



35.6171, 45.8307, 90.1881



59.2536, 45.8307, 54.7655



38.1684, 45.8307, 21.0885

Complementary

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



35.6171, 45.8307, 90.1881



37.2173, 20.5829, 2.0133

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.



45.2274, 45.8307, 19.4125



35.6171, 45.8307, 90.1881



57.9522, 45.8307, 35.4488

Square

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



35.6171, 45.8307, 90.1881



55.9840, 45.8307, 78.3495



52.6054, 45.8307, 23.8559



33.1263, 45.8307, 29.3380

Rectangle

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



35.6171, 45.8307, 90.1881



46.9243, 45.8307, 100.8928



52.6054, 45.8307, 23.8559



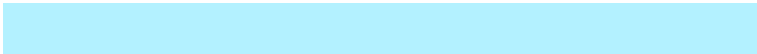
40.3618, 45.8307, 19.8558

Sweetspot

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



35.6187, 45.8323, 90.1892



67.8952, 79.4846, 106.3713



31.9156, 63.0954, 12.9029



13.8966, 16.4977, 22.7019



0.0000, 0.0000, 0.0000



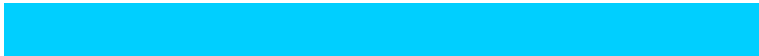
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6187, 45.8323, 90.1892



40.4536, 52.0271, 102.5179



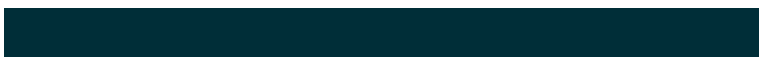
18.4877, 11.5704, 84.4789



15.9818, 17.3977, 20.2374



19.4063, 25.0369, 48.9376



1.6786, 2.2111, 4.0925

Inverse Universe

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



46.2408, 22.6881, 54.1680



52.5483, 25.7833, 61.4786



49.6785, 45.5052, 6.1670



16.3202, 15.9778, 19.2426



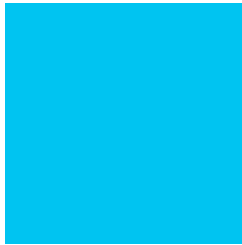
25.1210, 12.3208, 29.6176



2.1222, 1.0379, 2.6344

Previews

White Background



This preview shows how the XYZ color 35.6171, 45.8307, 90.1881 looks on a white background.

Color Contrast Check

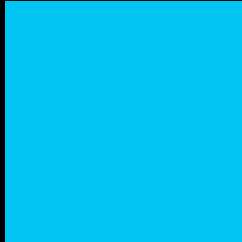
Large Text (above 18pt) WCAG AA × Fail

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 35.6171, 45.8307, 90.1881 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 35.6171, 45.8307, 90.1881

Background



This preview shows how black text looks on a background with the XYZ color 35.6171, 45.8307, 90.1881.

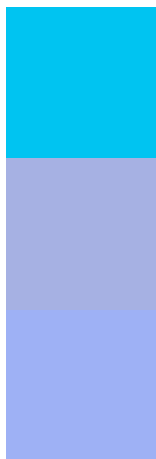


This preview shows how white text looks on a background with the XYZ color 35.6171, 45.8307,

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

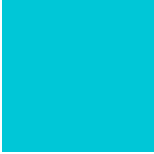
35.6171, 45.8307, 90.1881

Protanopia

45.3132, 45.0973, 78.9894

Deuteranopia

46.3041, 45.3060, 92.6906



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



Original Color

35.6171, 45.8307, 90.1881



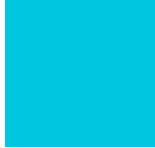
Protanomaly

37.6498, 43.1713, 82.6925



Deuteranomaly

38.8365, 43.5793, 91.9527



Tritanomaly

33.6486, 45.7700, 77.5820

Monochromacy



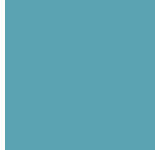
Original Color

35.6171, 45.8307, 90.1881



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.3714, 31.3195, 47.3559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6171, 45.8307, 90.1881 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(0, 196, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 241)  
}
```

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(0, 196, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 241) }
```

Border

The CSS property to change the border of an element to XYZ 35.6171, 45.8307, 90.1881 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(0, 196, 241) }
```


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

```
.border{ border-color:rgb(0, 196, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6171, 45.8307, 90.1881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 241) }
```

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

```
.background{ background-color: rgb(0, 196,  
241) }
```

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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