

Converting Colors

XYZ(35.6635, 45.5838, 87.9201)

Have a look what the booklet for
XYZ(35.6635, 45.5838, 87.9201)
contains.

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Color

**XYZ(35.6409, 45.5606,
87.8045)**

Conversions

Conversions Part 1

Format	Color
Hex	23C3EE
RGB	35, 195, 238
RGB Percent	14%, 76%, 93%
CMY	0.8626, 0.2353, 0.0667
CMYK	0.85, 0.18, 0.00, 0.07
HSL	193°, 86%, 54%
HSV	193°, 85%, 93%
XYZ	35.6409, 45.5606, 87.8045
YIQ	152.0620, -109.1630, -20.5470

Conversions

Conversions Part 2

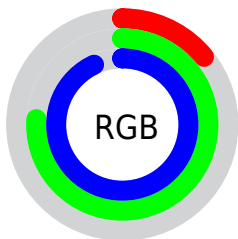
Format	Color
R _Y B	35, 124, 238
Decimal	2343918
CIE Lab	73.26, -24.18, -32.26
CIE LCh	73, 40.320, 233.146
Yxy	45.5606, 0.2109, 0.2696
Android (android.graphics.Color)	4280533998 (0xFF23C3EE)
YUV	152.0620, 42.3674, -102.6634
Hunter-Lab	67.4986, -23.8702, -29.8775

Details

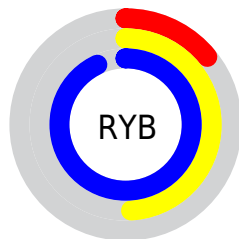
The XYZ color **35.6409, 45.5606, 87.8045** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.2901, 23.7510, 4.1584**, and the grayscale version is **29.7322, 31.2806, 34.0646**.

A 20% lighter version of the original color is **60.4682, 80.7627, 107.0095**, and **17.9684, 22.4272, 47.6378** is the 20% darker color. If you saturate the color by 10%, you get **33.9787, 43.0557, 87.4095**, and if you desaturate by 10%, it is **37.8906, 48.4267, 88.2400**.

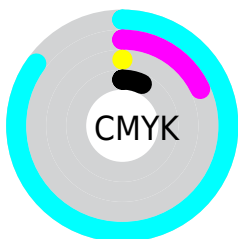
Distribution



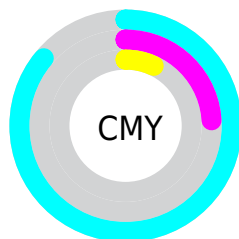
- Red (14%)
- Green (76%)
- Blue (93%)



- Red (14%)
- Yellow (49%)
- Blue (93%)



- Cyan (85%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (86%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6409, 45.5606, 87.8045 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 35.6409, 45.5606, 87.8045 by changing the saturation by 10% instead.

35.6409, 45.5606,
87.8045

35.6409, 45.5606,
87.8045

318.8469,
369.0393, 541.2475

24.3258, 31.8992,
65.5978

67.8049, 83.5610,
146.1937

15.7015, 21.2845,
47.4915

89.3846, 108.6688,
183.2132

9.4027, 13.3321,
33.0673

115.1165,
138.3609, 226.0074

5.0640, 7.6577,
21.9064

145.3660,
173.0217, 274.9949

2.3200, 3.8767,
13.5905

180.4984,
213.0355, 330.5940

0.8049, 1.6048,
7.7009

220.8792,

0.0000, 0.3608,

258.7868, 393.2235

3.8192

266.8735,
310.6599, 463.3018

■ 0.0000, 0.0000,
1.5267

■ 0.0000, 0.0000,
0.2377

■ 35.6409, 45.5606,
87.8045

■ 35.6409, 45.5606,
87.8045

■ 33.9787, 43.0557,
87.4095

■ 37.8906, 48.4267,
88.2400

■ 33.3270, 41.9615,
87.2327

■ 40.8191, 51.6990,
88.7173

■ 44.5056, 55.4199,
89.2412

■ 49.0171, 59.6242,
89.8150

■ 54.4129, 64.3433,
90.4414

■ 60.7468, 69.6052,
91.1232

■ 68.0680, 75.4358,
91.8628

■ 76.4222, 81.8592,
92.6623

■ 85.8523, 88.8981,
93.5240

Harmonies

Analogous

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



31.9530, 45.5606, 66.5668



35.6409, 45.5606, 87.8045



41.6995, 45.5606, 99.2627

Triad

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



35.6409, 45.5606, 87.8045



58.2763, 45.5606, 54.4077



38.1699, 45.5606, 21.6990

Complementary

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



35.6409, 45.5606, 87.8045



38.2901, 23.7510, 4.1584

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.



44.9491, 45.5606, 20.0924



35.6409, 45.5606, 87.8045



57.0675, 45.5606, 35.8055

Square

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



35.6409, 45.5606, 87.8045



55.1369, 45.5606, 76.8606



51.9936, 45.5606, 24.4921



33.2981, 45.5606, 29.7044

Rectangle

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



35.6409, 45.5606, 87.8045



46.4748, 45.5606, 98.0872



51.9936, 45.5606, 24.4921



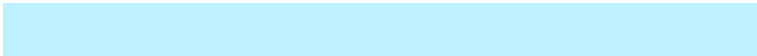
40.2808, 45.5606, 20.5020

Sweetspot

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



35.6424, 45.5622, 87.8056



70.4039, 80.8844, 106.5093



32.5602, 62.0240, 17.0242



14.4975, 16.8428, 22.7368



0.0000, 0.0000, 0.0000



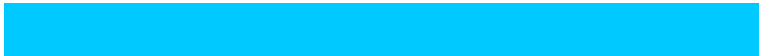
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6424, 45.5622, 87.8056



38.9321, 48.9842, 102.0107



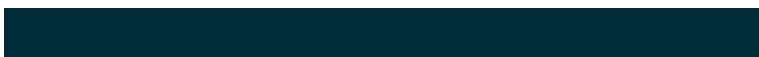
20.3022, 14.8817, 82.6922



15.9466, 17.3273, 20.2256



18.6904, 23.6050, 48.6990



1.6250, 2.1040, 4.0747

Inverse Universe

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



45.7127, 23.3211, 53.7233



51.7803, 25.4761, 57.4345



51.3076, 49.7860, 8.4975



16.3025, 15.9707, 19.1491



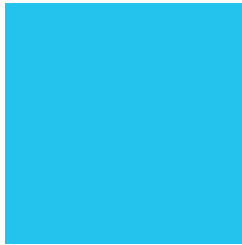
24.7597, 12.1763, 27.7146



2.0952, 1.0271, 2.4920

Previews

White Background



This preview shows how the XYZ color 35.6409, 45.5606, 87.8045 looks on a white background.

Color Contrast Check

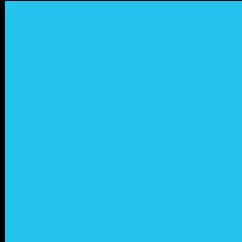
Large Text (above 18pt) WCAG AA × Fail

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 35.6409, 45.5606, 87.8045 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 35.6409, 45.5606, 87.8045

Background



This preview shows how black text looks on a background with the XYZ color 35.6409, 45.5606, 87.8045.



This preview shows how white text looks on a background with the XYZ color 35.6409, 45.5606,

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

35.6409, 45.5606, 87.8045

Protanopia

45.2491, 45.0960, 77.5537

Deuteranopia

46.0496, 44.9351, 90.2507



Tritanopia

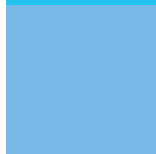
32.3317, 45.2432, 70.6471

Trichromacy



Original Color

35.6409, 45.5606, 87.8045



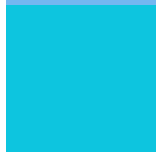
Protanomaly

39.0312, 43.9161, 81.2824



Deuteranomaly

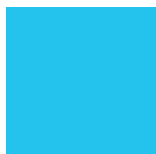
39.8809, 43.8627, 89.5835



Tritanomaly

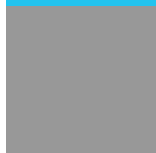
33.4515, 45.3458, 76.8016

Monochromacy



Original Color

35.6409, 45.5606, 87.8045



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.8565, 34.6754, 49.9719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6409, 45.5606, 87.8045 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(35, 195, 238)` looks like.

```
.text, #text, p{  
    color:rgb(35, 195, 238)  
}
```

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(35, 195, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 195, 238) }
```

Border

The CSS property to change the border of an element to XYZ 35.6409, 45.5606, 87.8045 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(35, 195, 238) }
```


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

```
.border{ border-color:rgb(35, 195, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 195, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 195, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 195, 238);  
box-shadow:4px 4px 4px 4px rgb(35, 195,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6409, 45.5606, 87.8045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 195, 238) }
```

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

```
.background{ background-color: rgb(35, 195,  
238) }
```

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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