

Converting Colors

XYZ(34.8969, 45.6776, 82.1296)

Have a look what the booklet for
XYZ(34.8969, 45.6776, 82.1296)
contains.

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Color

**XYZ(34.8222, 45.6051,
81.8303)**

Conversions

Conversions Part 1

Format	Color
Hex	26C4E6
RGB	38, 196, 230
RGB Percent	15%, 77%, 90%
CMY	0.8509, 0.2314, 0.0980
CMYK	0.83, 0.15, 0.00, 0.10
HSL	191°, 79%, 53%
HSV	191°, 83%, 90%
XYZ	34.8222, 45.6051, 81.8303
YIQ	152.6340, -105.0820, -22.9220

Conversions

Conversions Part 2

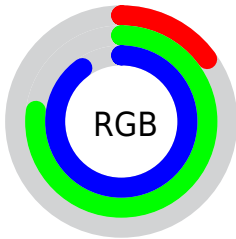
Format	Color
R _Y B	38, 125, 230
Decimal	2540774
CIE Lab	73.29, -27.09, -27.89
CIE LCh	73, 38.881, 225.834
Yxy	45.6051, 0.2146, 0.2811
Android (android.graphics.Color)	4280730854 (0xFF26C4E6)
YUV	152.6340, 38.1414, -100.5340
Hunter-Lab	67.5315, -26.1379, -24.5716

Details

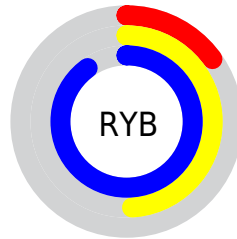
The XYZ color **34.8222, 45.6051, 81.8303** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.3023, 21.6005, 4.1441**, and the grayscale version is **29.9949, 31.5570, 34.3656**.

A 20% lighter version of the original color is **60.7830, 81.3925, 107.1145**, and **17.3130, 22.4020, 43.4559** is the 20% darker color. If you saturate the color by 10%, you get **33.3146, 43.4832, 81.5011**, and if you desaturate by 10%, it is **36.8807, 48.0497, 82.1945**.

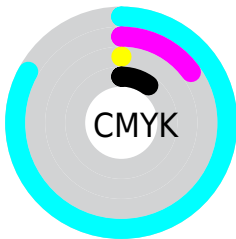
Distribution



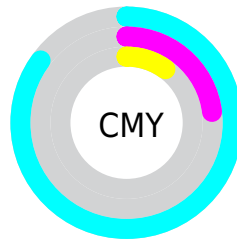
- Red (15%)
- Green (77%)
- Blue (90%)



- Red (15%)
- Yellow (49%)
- Blue (90%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (85%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8222, 45.6051, 81.8303 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 34.8222, 45.6051, 81.8303 by changing the saturation by 10% instead.

34.8222, 45.6051,
81.8303

34.8222, 45.6051,
81.8303

315.3046,
369.2187, 520.9484

23.6918, 31.9343,
60.6907

66.5461, 83.6277,
137.7705

15.2287, 21.3113,
43.5466

87.8703, 108.7483,
173.4082

9.0674, 13.3518,
29.9797

113.3231,
138.4542, 214.7157

4.8426, 7.6712,
19.5712

143.2700,
173.1300, 262.1115

2.1890, 3.8853,
11.9028

178.0762,
213.1599, 316.0141

0.7369, 1.6096,
6.5558

218.1072,

0.0000, 0.3641,

258.9284, 376.8421

3.1117

263.7282,
310.8199, 445.0140

■ 0.0000, 0.0000,
1.1519

■ 0.0000, 0.0000,
0.0000

■ 34.8222, 45.6051,
81.8303

■ 34.8222, 45.6051,
81.8303

■ 33.3146, 43.4832,
81.5011

■ 36.8807, 48.0497,
82.1945

■ 32.5387, 42.2244,
81.2990

■ 39.5694, 50.8556,
82.5944

■ 42.9591, 54.0605,
83.0344

■ 47.1096, 57.6955,
83.5173

■ 52.0744, 61.7884,
84.0456

■ 57.9017, 66.3644,
84.6217

■ 64.6362, 71.4468,
85.2478

■ 72.3194, 77.0572,
85.9257

■ 80.9900, 83.2159,
86.6575

Harmonies

Analogous

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



31.8960, 45.6051, 60.6461



34.8222, 45.6051, 81.8303



40.2101, 45.6051, 95.7993

Triad

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



34.8222, 45.6051, 81.8303



57.3726, 45.6051, 59.4447



39.8595, 45.6051, 21.5423

Complementary

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



34.8222, 45.6051, 81.8303



35.3023, 21.6005, 4.1441

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.



46.6415, 45.6051, 21.3801



34.8222, 45.6051, 81.8303



57.2533, 45.6051, 40.0813

Square

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



34.8222, 45.6051, 81.8303



53.4695, 45.6051, 80.7539



53.1589, 45.6051, 27.2615



34.5889, 45.6051, 27.7844

Rectangle

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



34.8222, 45.6051, 81.8303



44.6955, 45.6051, 97.2778



53.1589, 45.6051, 27.2615



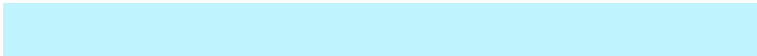
42.0245, 45.6051, 20.8435

Sweetspot

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



34.8237, 45.6067, 81.8314



71.8624, 82.8559, 106.8130



30.2033, 57.4492, 15.2942



14.8114, 17.2899, 22.8066



0.0000, 0.0000, 0.0000



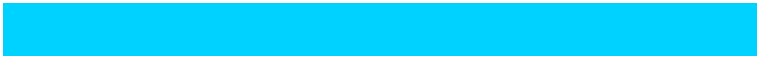
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8237, 45.6067, 81.8314



41.0573, 53.2347, 102.7191



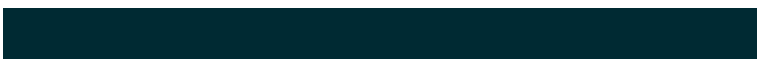
19.8360, 15.6312, 76.8355



14.5790, 15.8793, 18.4410



18.5026, 24.0673, 46.0534



1.4244, 1.8927, 3.4222

Inverse Universe

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



43.2914, 22.1964, 54.2287



52.8530, 25.9052, 63.0835



46.6213, 44.2385, 7.9171



14.8798, 14.5691, 17.5675



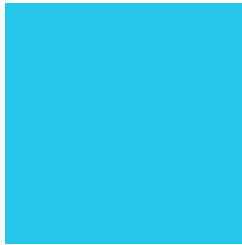
23.7328, 11.6273, 28.5514



1.7826, 0.8707, 2.2616

Previews

White Background



This preview shows how the XYZ color 34.8222, 45.6051, 81.8303 looks on a white background.

Color Contrast Check

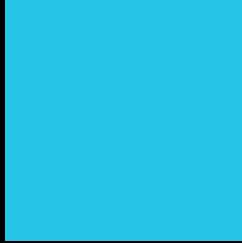
Large Text (above 18pt) WCAG AA × Fail

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 34.8222, 45.6051, 81.8303 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 34.8222, 45.6051, 81.8303

Background



This preview shows how black text looks on a background with the XYZ color 34.8222, 45.6051, 81.8303.



This preview shows how white text looks on a background with the XYZ color 34.8222, 45.6051,

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

34.8222, 45.6051, 81.8303

Protanopia

44.6944, 44.9482, 71.2860

Deuteranopia

46.0378, 45.0482, 84.8660



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



Original Color

34.8222, 45.6051, 81.8303



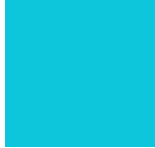
Protanomaly

38.2177, 43.6390, 74.8155



Deuteranomaly

39.2492, 43.6721, 83.4517



Tritanomaly

33.2935, 45.6488, 74.7665

Monochromacy



Original Color

34.8222, 45.6051, 81.8303



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.0840, 35.0916, 48.9565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8222, 45.6051, 81.8303 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(38, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(38, 196, 230)  
}
```

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(38, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 196, 230) }
```

Border

The CSS property to change the border of an element to XYZ 34.8222, 45.6051, 81.8303 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(38, 196, 230) }
```


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

```
.border{ border-color:rgb(38, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(38, 196,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8222, 45.6051, 81.8303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 196, 230) }
```

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

```
.background{ background-color: rgb(38, 196,  
230) }
```

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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