

Converting Colors

XYZ(36.3169, 45.8419, 91.0326)

Have a look what the booklet for
XYZ(36.3169, 45.8419, 91.0326)
contains.

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Color

**XYZ(36.3051, 45.8343,
90.9378)**

Conversions

Conversions Part 1

Format	Color
Hex	25C3F2
RGB	37, 195, 242
RGB Percent	15%, 76%, 95%
CMY	0.8548, 0.2353, 0.0510
CMYK	0.85, 0.19, 0.00, 0.05
HSL	194°, 89%, 55%
HSV	194°, 85%, 95%
XYZ	36.3051, 45.8343, 90.9378
YIQ	153.1160, -109.2550, -18.8790

Conversions

Conversions Part 2

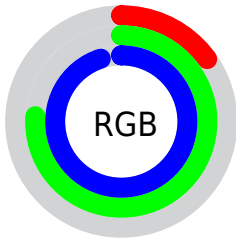
Format	Color
R_{YB}	37, 126, 242
Decimal	2474994
CIE _{Lab}	73.44, -22.73, -34.14
CIE _{LCh}	73, 41.015, 236.353
Yxy	45.8343, 0.2098, 0.2648
Android (android.graphics.Color)	4280665074 (0xFF25C3F2)
YUV	153.1160, 43.8198, -101.8337
Hunter-Lab	67.7010, -22.7551, -32.2492

Details

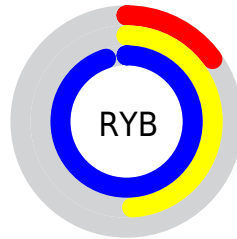
The XYZ color **36.3051, 45.8343, 90.9378** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **40.1249, 25.3556, 4.5317**, and the grayscale version is **30.1819, 31.7537, 34.5797**.

A 20% lighter version of the original color is **60.6061, 80.8339, 107.0160**, and **18.3878, 22.5949, 49.8465** is the 20% darker color. If you saturate the color by 10%, you get **34.4859, 43.0857, 90.5041**, and if you desaturate by 10%, it is **38.7477, 48.9745, 91.4161**.

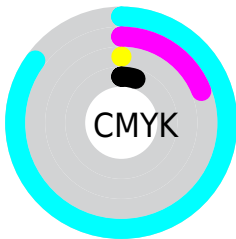
Distribution



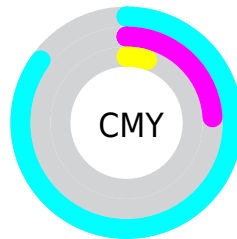
- Red (15%)
- Green (76%)
- Blue (95%)



- Red (15%)
- Yellow (49%)
- Blue (95%)



- Cyan (85%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (85%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3051, 45.8343, 90.9378 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 36.3051, 45.8343, 90.9378 by changing the saturation by 10% instead.

36.3051, 45.8343,
90.9378

36.3051, 45.8343,
90.9378

321.7001,
370.1421, 551.7254

24.8411, 32.1151,
68.1806

68.8235, 83.9710,
150.5872

16.0868, 21.4494,
49.5771

90.6087, 109.1572,
188.3166

9.6769, 13.4529,
34.7087

116.5649,
138.9346, 231.8737

5.2458, 7.7412,
23.1568

147.0576,
173.6874, 281.6772

2.4285, 3.9298,
14.5029

182.4521,
213.8002, 338.1456

0.8593, 1.6344,
8.3286

223.1138,

0.0000, 0.3806,

259.6573, 401.6974

4.2151

269.4081,
311.6432, 472.7511

■ 0.0000, 0.0000,
1.7441

■ 0.0000, 0.0000,
0.3907

■ 36.3051, 45.8343,
90.9378

■ 36.3051, 45.8343,
90.9378

■ 34.4859, 43.0857,
90.5041

■ 38.7477, 48.9745,
91.4161

■ 33.6943, 41.7451,
90.2870

■ 41.9076, 52.5529,
91.9403

■ 45.8669, 56.6135,
92.5153

■ 50.6948, 61.1926,
93.1447

■ 56.4528, 66.3226,
93.8314

■ 63.1967, 72.0329,
94.5782

■ 70.9777, 78.3507,
95.3876

■ 79.8434, 85.3011,
96.2618

■ 89.8382, 92.9076,
97.2033

Harmonies

Analogous

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



32.2546, 45.8343, 69.7516



36.3051, 45.8343, 90.9378



42.6856, 45.8343, 101.1292

Triad

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



36.3051, 45.8343, 90.9378



58.9661, 45.8343, 52.4821



37.6788, 45.8343, 22.0514

Complementary

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



36.3051, 45.8343, 90.9378



40.1249, 25.3556, 4.5317

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.



44.4547, 45.8343, 19.7802



36.3051, 45.8343, 90.9378



57.2494, 45.8343, 34.2340

Square

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



36.3051, 45.8343, 90.9378



56.1947, 45.8343, 75.3817



51.7315, 45.8343, 23.5539



32.9839, 45.8343, 30.9333

Rectangle

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



36.3051, 45.8343, 90.9378



47.5974, 45.8343, 98.6985



51.7315, 45.8343, 23.5539



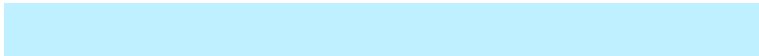
39.7654, 45.8343, 20.6174

Sweetspot

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



36.3067, 45.8359, 90.9389



70.8717, 80.8746, 106.4828



34.0180, 64.4994, 18.5274



14.5720, 16.8110, 22.7268



0.0000, 0.0000, 0.0000



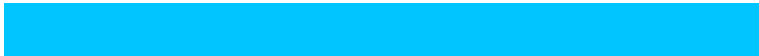
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3067, 45.8359, 90.9389



37.9099, 46.9399, 101.6700



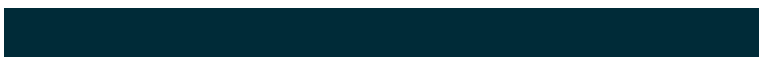
20.8924, 15.0074, 85.8009



15.9222, 17.2785, 20.2175



18.2090, 22.6422, 48.5385



1.5888, 2.0315, 4.0626

Inverse Universe

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



47.1313, 24.1424, 53.8070



51.2644, 25.2698, 54.7177



54.0775, 53.2609, 9.1825



16.2902, 15.9658, 19.0842



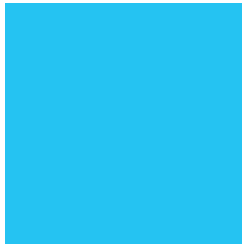
24.5167, 12.0791, 26.4351



2.0769, 1.0198, 2.3957

Previews

White Background



This preview shows how the XYZ color 36.3051, 45.8343, 90.9378 looks on a white background.

Color Contrast Check

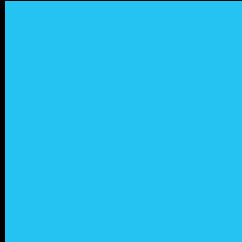
Large Text (above 18pt) WCAG AA × Fail

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 36.3051, 45.8343, 90.9378 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 36.3051, 45.8343, 90.9378

Background



This preview shows how black text looks on a background with the XYZ color 36.3051, 45.8343, 90.9378.



This preview shows how white text looks on a background with the XYZ color 36.3051, 45.8343,

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

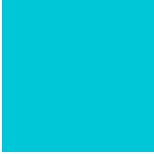
36.3051, 45.8343, 90.9378

Protanopia

45.5909, 45.2084, 80.4519

Deuteranopia

46.4572, 45.3672, 93.4970



Tritanopia

32.6892, 45.7531, 71.3983

Trichromacy



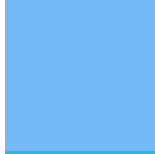
Original Color

36.3051, 45.8343, 90.9378



Protanomaly

39.5995, 44.1434, 84.2753



Deuteranomaly

40.5614, 44.4510, 92.8283



Tritanomaly

33.9507, 45.9100, 78.3063

Monochromacy



Original Color

36.3051, 45.8343, 90.9378



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.3151, 34.8876, 51.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3051, 45.8343, 90.9378 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, 195, 242)` looks like.

```
.text, #text, p{  
    color:rgb(37, 195, 242)  
}
```

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, 195, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 195, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.3051, 45.8343, 90.9378 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, 195, 242) }
```


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

```
.border{ border-color:rgb(37, 195, 242) }
```

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

Here you see how a box with a 4 pixel rgb(37, 195, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 195, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 195, 242);  
box-shadow:4px 4px 4px 4px rgb(37, 195,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3051, 45.8343, 90.9378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 195, 242) }
```

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

```
.background{ background-color: rgb(37, 195,  
242) }
```

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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