Converting Colors

XYZ(36.3761, 56.6813, 45.2008)

Have a look what the booklet for XYZ(36.3761, 56.6813, 45.2008) contains.

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Color

XYZ(36.3975, 56.7451, 45.1109)

Conversions

Conversions Part 1

Format	Color
Hex	51DEA6
RGB	81, 222, 166
RGB Percent	32%, 87%, 65%
CMY	0.6823, 0.1294, 0.3490
CMYK	0.64, 0.00, 0.25, 0.13
HSL	156°, 68%, 59%
HSV	156°, 64%, 87%
XYZ	36.3975, 56.7451, 45.1109
YIQ	173.4570, -66.0600, -47.3080

Conversions

Conversions Part 2

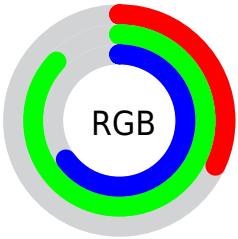
Format	Color
RYB	81, 169, 222
Decimal	5365414
CIELab	80.04, -50.86, 16.48
CIELCh	80, 53.462, 162.044
Yxy	56.7451, 0.2633, 0.4104
Android (android.graphics.Color)	4283555494 (0xFF51DEA6)
YUV	173.4570, -3.6763, -81.0848
Hunter-Lab	75.3293, -45.5790, 17.2248

Details

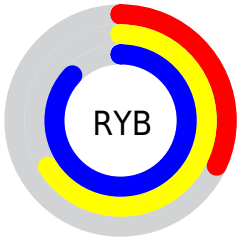
The XYZ color 36.3975, 56.7451, 45.1109 is a light color, and the websafe version is hex 33CC99. The color can be described as light muted spring green. A complement of this color would be 37.5838, 23.2218, 26.1702, and the grayscale version is 39.9975, 42.0805, 45.8257.

A 20% lighter version of the original color is 60.1388, 82.5801, 81.1765, and 16.6735, 28.4873, 20.5394 is the 20% darker color. If you saturate the color by 10%, you get 34.0158, 55.6091, 40.9217, and if you desaturate by 10%, it is 39.4593, 58.2283, 49.6239.

Distribution

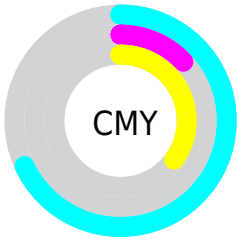


- Red (32%)
- Green (87%)
- Blue (65%)



- Red (32%)
- Yellow (66%)
- Blue (87%)

- Cyan (64%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)



- Cyan (68%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3975, 56.7451, 45.1109 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 36.3975, 56.7451, 45.1109 by changing the saturation by 10% instead.

36.3975, 56.7451, 45.1109

36.3975, 56.7451, 45.1109

322.0956, 412.4935, 383.3957

24.9129, 40.8006, 31.2012

68.9650, 100.0932, 84.2070

16.1405, 28.1633, 20.4924

90.7786, 128.2655, 110.2305

9.7151, 18.4488, 12.5658

116.7660, 161.2827, 141.1290

5.2713, 11.2727, 7.0031

147.2923, 199.5289, 177.3211

2.4437, 6.2506, 3.3855

182.7232, 243.3888, 219.2253

0.8670, 2.9980, 1.2947

223.4237,

0.0000, 1.1307,

293.2465, 267.2601

0.0574

269.7594, 349.4866, 321.8440

0.0000, 0.0040, 0.0000

0.0000, 0.0000, 0.0000

36.3975, 56.7451, 45.1109

36.3975, 56.7451, 45.1109

34.0158, 55.6091, 40.9217

39.4593, 58.2283, 49.6239

32.2455, 54.7804, 37.0437

43.2525, 60.0806, 54.4651

31.0102, 54.2215, 33.4685

47.8284, 62.3296, 59.6434

30.4135, 53.9611, 31.3046

53.2323, 64.9988, 65.1664

59.5058, 68.1094, 71.0411

66.6877, 71.6813, 77.2744

74.8146, 75.7332, 83.8729

82.5815, 79.5923, 90.7803

83.8986, 80.1192, 97.7163

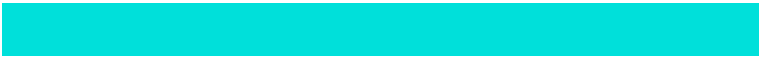
Harmonies

Analogous

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

41.1152, 56.7451, 27.1459

36.3975, 56.7451, 45.1109

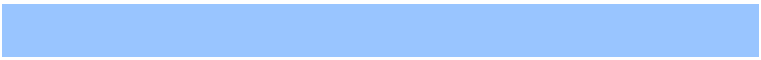


35.9700, 56.7451, 75.1340

Triad

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

36.3975, 56.7451, 45.1109



58.4135, 56.7451, 140.7444

70.9895, 56.7451, 29.7475

Complementary

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

36.3975, 56.7451, 45.1109

37.5838, 23.2218, 26.1702

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.

77.0619, 56.7451, 50.1203

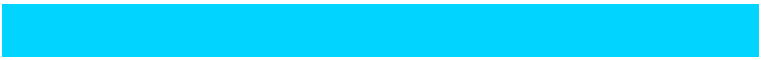
36.3975, 56.7451, 45.1109

69.1747, 56.7451, 117.7398

Square

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

36.3975, 56.7451, 45.1109



47.7452, 56.7451, 137.9965

76.3563, 56.7451, 82.1338

60.6368, 56.7451, 20.5494

Rectangle

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

36.3975, 56.7451, 45.1109

38.0895, 56.7451, 99.2896

76.3563, 56.7451, 82.1338

73.6578, 56.7451, 35.1613

Sweetspot

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

36.3990, 56.7474, 45.1122

76.4716, 90.7627, 92.6603

37.9904, 58.1913, 17.0149

15.8538, 19.1722, 19.3432

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.

36.3990, 56.7474, 45.1122

45.7354, 75.7339, 54.3416

39.1114, 52.0885, 77.1027

13.8740, 15.4753, 16.3717

18.1205, 32.0731, 18.8896

1.2998, 2.2406, 1.5398

Inverse Universe

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

37.5838, 23.2218, 26.1702

47.5194, 26.4589, 26.7128

35.7122, 24.3273, 10.5986

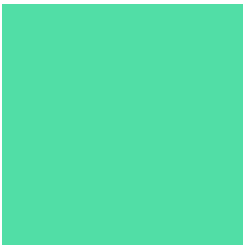
13.9316, 13.7903, 15.4100

18.9950, 9.6650, 6.6394

1.3599, 0.6872, 0.6880

Previews

White Background

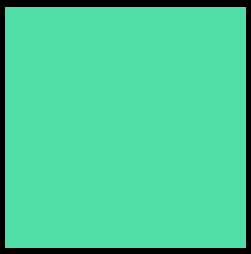


This preview shows how the XYZ color 36.3975, 56.7451, 45.1109 looks on a white background.

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 36.3975, 56.7451, 45.1109 looks on a black background.

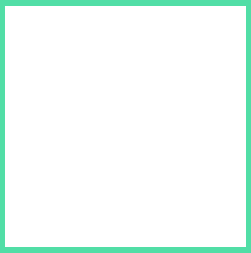
Color Contrast Check

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 36.3975, 56.7451, 45.1109 Background

This preview shows how black text looks on a background with the XYZ color 36.3975, 56.7451, 45.1109.



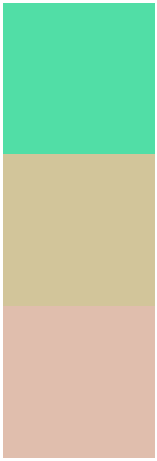
This preview shows how white text looks on a background with the XYZ color 36.3975, 56.7451,

45.1109.

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



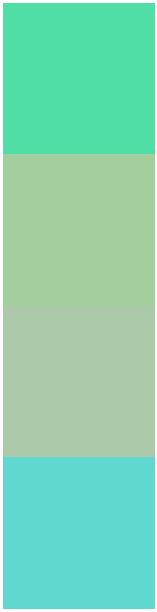
Original Color
36.3975, 56.7451, 45.1109

Protanopia
52.3773, 55.9672, 38.6140

Deuteranopia
56.6968, 55.6913, 47.2964

Tritanopia
44.0438, 56.3613, 84.1588

Trichromacy



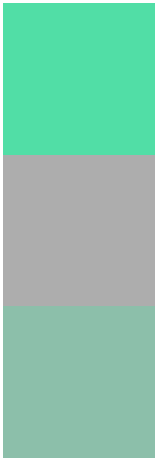
Original Color
36.3975, 56.7451, 45.1109

Protanomaly
43.3471, 54.3978, 40.5629

Deuteranomaly
45.3895, 53.9140, 46.0444

Tritanomaly
40.6422, 56.1035, 67.7185

Monochromacy



Original Color
36.3975, 56.7451, 45.1109

Achromatopsia
39.7200, 41.7885, 45.5077

Achromatomaly
36.7017, 45.7393, 44.9244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3975, 56.7451, 45.1109 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(81, 222, 166) looks like.

```
.text, #text, p{
    color:rgb(81, 222, 166)
}
```

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(81, 222, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 222, 166) }
```

Border

The CSS property to change the border of an element to XYZ 36.3975, 56.7451, 45.1109 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(81, 222, 166) }
```

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

```
.border{ border-color:rgb(81, 222, 166) }
```

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

Here you see how a box with a 4 pixel rgb(81, 222, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 222, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 222, 166); box-shadow:4px 4px 4px 4px rgb(81, 222, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3975, 56.7451, 45.1109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(81, 222, 166) }
```

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

```
.background{ background-color:rgb(81, 222,
166) }
```

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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