

Converting Colors

XYZ(36.8008, 56.2791, 57.7394)

Have a look what the booklet for
XYZ(36.8008, 56.2791, 57.7394)
contains.

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Color

**XYZ(36.7816, 56.2714,
57.6381)**

Conversions

Conversions Part 1

Format	Color
Hex	38DDBE
RGB	56, 221, 190
RGB Percent	22%, 87%, 75%
CMY	0.7804, 0.1333, 0.2549
CMYK	0.75, 0.00, 0.14, 0.13
HSL	169°, 71%, 54%
HSV	169°, 75%, 87%
XYZ	36.7816, 56.2714, 57.6381
YIQ	168.1310, -88.3890, -44.6210

Conversions

Conversions Part 2

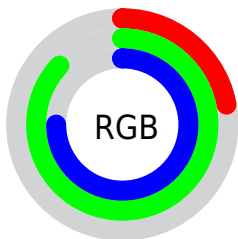
Format	Color
RYB	56, 147, 221
Decimal	3726782
CIELab	79.77, -48.43, 3.33
CIElCh	80, 48.545, 176.068
Yxy	56.2714, 0.2441, 0.3734
Android (android.graphics.Color)	4281916862 (0xFF38DDBE)
YUV	168.1310, 10.7814, -98.3389
Hunter-Lab	75.0143, -43.7514, 6.9538

Details

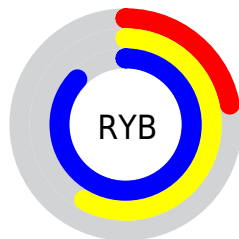
The XYZ color **36.7816, 56.2714, 57.6381** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **32.9552, 18.8901, 10.9281**, and the grayscale version is **37.2655, 39.2062, 42.6955**.

A 20% lighter version of the original color is **61.1469, 82.6858, 99.9260**, and **17.9705, 28.7164, 28.2626** is the 20% darker color. If you saturate the color by 10%, you get **35.3610, 55.5921, 55.2370**, and if you desaturate by 10%, it is **38.7631, 57.2411, 60.1355**.

Distribution



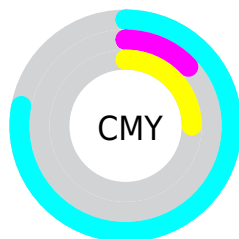
- Red (22%)
- Green (87%)
- Blue (75%)



- Red (22%)
- Yellow (58%)
- Blue (87%)



- Cyan (75%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (78%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7816, 56.2714, 57.6381 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 36.7816, 56.2714, 57.6381 by changing the saturation by 10% instead.


 36.7816, 56.2714,
57.6381


 36.7816, 56.2714,
57.6381


323.7360,
410.7135, 433.3966

 25.2113, 40.4206,
41.1050


 69.5528, 99.4013,
102.9052


 16.3641, 27.8666,
28.0808

 91.4844, 127.4491,
132.4763

 9.8747, 18.2251,
18.1470


 117.6005,
160.3314, 167.2305

 5.3776, 11.1117,
10.8851

 148.2665,
198.4325, 207.5863

 2.5075, 6.1420,
5.8764

 183.8477,
242.1369, 253.9623

 0.8990, 2.9316,
2.7025

224.7094,

 0.0000, 1.0961,

291.8290, 306.7770

0.9447

271.2170,
347.8930, 366.4489

■ 0.0000, 0.0000,
0.0000

■ 36.7816, 56.2714,
57.6381

■ 36.7816, 56.2714,
57.6381

■ 35.3610, 55.5921,
55.2370

■ 38.7631, 57.2411,
60.1355

■ 34.4185, 55.1565,
52.9240

■ 41.3645, 58.5274,
62.7286

■ 34.0425, 54.9889,
51.7215

■ 44.6424, 60.1610,
65.4221

■ 48.6457, 62.1671,
68.2186

■ 53.4187, 64.5683,
71.1208

■ 59.0022, 67.3859,
74.1311

■ 65.4338, 70.6391,
77.2519

■ 72.7492, 74.3463,
80.4851

■ 80.9817, 78.5247,
83.8331

Harmonies

Analogous

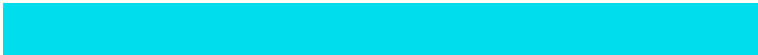
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.3064, 56.2714, 35.7837



36.7816, 56.2714, 57.6381



38.2619, 56.2714, 88.2170

Triad

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



36.7816, 56.2714, 57.6381



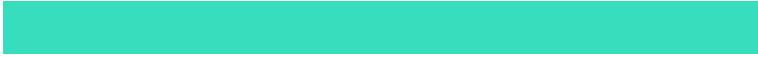
62.2119, 56.2714, 123.7617



64.7240, 56.2714, 26.4808

Complementary

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



36.7816, 56.2714, 57.6381



32.9552, 18.8901, 10.9281

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.



72.2878, 56.2714, 40.4588



36.7816, 56.2714, 57.6381



70.7174, 56.2714, 96.6577

Square

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



36.7816, 56.2714, 57.6381



52.2006, 56.2714, 132.5424



74.6042, 56.2714, 65.0513



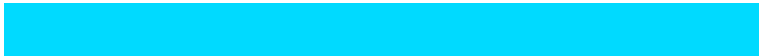
54.7888, 56.2714, 21.6240

Rectangle

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



36.7816, 56.2714, 57.6381



41.4317, 56.2714, 109.0091



74.6042, 56.2714, 65.0513



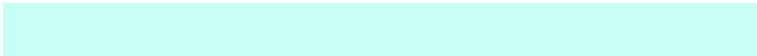
67.6732, 56.2714, 30.0108

Sweetspot

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



36.7832, 56.2736, 57.6394



75.6856, 90.2080, 99.3767



30.6919, 54.1246, 12.5719



15.7740, 19.0936, 21.0306



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.



36.7832, 56.2736, 57.6394



48.0416, 76.4804, 74.4369



29.3414, 35.3786, 73.6914



13.3345, 14.7854, 16.2242



19.8147, 31.9585, 30.2530



1.3114, 2.0815, 2.1057

Inverse Universe

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



32.9552, 18.8901, 10.9281



42.6609, 22.4018, 7.6444



35.6372, 25.8650, 6.8566



13.1555, 13.0913, 14.0801



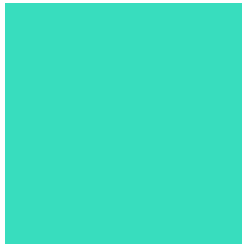
17.5909, 9.0374, 2.2255



1.1695, 0.5974, 0.3013

Previews

White Background



This preview shows how the XYZ color 36.7816, 56.2714, 57.6381 looks on a white background.

Color Contrast Check

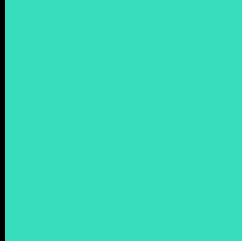
Large Text (above 18pt) WCAG AA × Fail

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 36.7816, 56.2714, 57.6381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

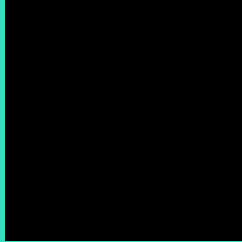
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

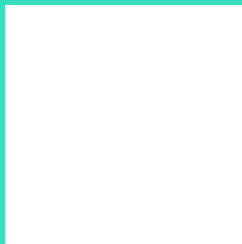
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7816, 56.2714, 57.6381

Background



This preview shows how black text looks on a background with the XYZ color 36.7816, 56.2714, 57.6381.

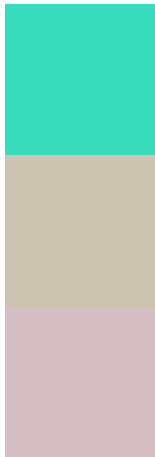


This preview shows how white text looks on a background with the XYZ color 36.7816, 56.2714,

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

36.7816, 56.2714, 57.6381

Protanopia

52.2534, 55.0022, 48.9367

Deuteranopia

56.2231, 55.1543, 60.5059



Tritanopia

42.1742, 56.1325, 84.9558

Trichromacy



Original Color

36.7816, 56.2714, 57.6381



Protanomaly

42.5110, 53.0060, 51.7067



Deuteranomaly

44.5289, 52.8364, 58.8905



Tritanomaly

39.9358, 55.9751, 74.3451

Monochromacy



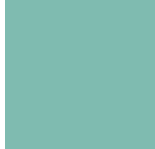
Original Color

36.7816, 56.2714, 57.6381



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.3592, 43.1873, 47.5993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7816, 56.2714, 57.6381 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(56, 221, 190)` looks like.

```
.text, #text, p{  
    color:rgb(56, 221, 190)  
}
```

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(56, 221, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 221, 190) }
```

Border

The CSS property to change the border of an element to XYZ 36.7816, 56.2714, 57.6381 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(56, 221, 190) }
```


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

```
.border{ border-color:rgb(56, 221, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 221, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 221, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 221, 190);  
box-shadow:4px 4px 4px 4px rgb(56, 221,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7816, 56.2714, 57.6381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 221, 190) }
```

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

```
.background{ background-color: rgb(56, 221,  
190) }
```

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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