

Converting Colors

XYZ(45.3402, 72.8320, 68.1895)

Have a look what the booklet for
XYZ(45.3402, 72.8320, 68.1895)
contains.

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Color

**XYZ(45.3660, 72.8897,
68.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	19FACB
RGB	25, 250, 203
RGB Percent	10%, 98%, 80%
CMY	0.9019, 0.0196, 0.2039
CMYK	0.90, 0.00, 0.19, 0.02
HSL	167°, 96%, 54%
HSV	167°, 90%, 98%
XYZ	45.3660, 72.8897, 68.1780
YIQ	177.3670, -119.0130, -62.3170

Conversions

Conversions Part 2

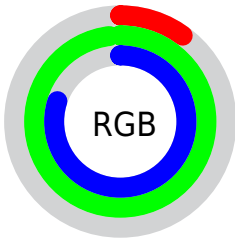
Format	Color
RYB	25, 151, 250
Decimal	1702603
CIELab	88.40, -59.23, 8.89
CIELCh	88, 59.891, 171.465
Yxy	72.8897, 0.2433, 0.3910
Android (android.graphics.Color)	4279892683 (0xFF19FACB)
YUV	177.3670, 12.6371, -133.6259
Hunter-Lab	85.3755, -54.5574, 12.4158

Details

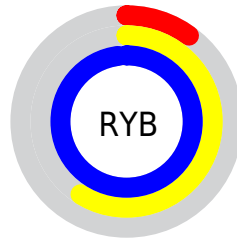
The XYZ color **45.3660, 72.8897, 68.1780** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **40.9444, 21.4891, 8.1249**, and the grayscale version is **41.9678, 44.1534, 48.0830**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **24.2745, 39.8692, 34.8499** is the 20% darker color. If you saturate the color by 10%, you get **44.3547, 72.4408, 64.9373**, and if you desaturate by 10%, it is **46.9162, 73.6175, 71.5566**.

Distribution



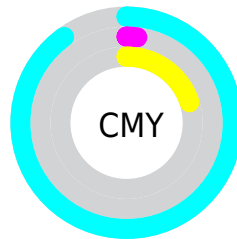
- Red (10%)
- Green (98%)
- Blue (80%)



- Red (10%)
- Yellow (59%)
- Blue (98%)



- Cyan (90%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)





- Cyan (90%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3660, 72.8897, 68.1780 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 45.3660, 72.8897, 68.1780 by changing the saturation by 10% instead.

 45.3660, 72.8897,
68.1780


 45.3660, 72.8897,
68.1780

359.0127,
470.6324, 472.7416


 31.9483, 53.8858,
49.5750


 82.5030, 123.3206,
118.2634

 21.4774, 38.5103,
34.7070


 106.9531,
155.5164, 150.5828


 13.5878, 26.3790,
23.1555


 135.8114,
192.8782, 188.3114

 7.9143, 17.1074,
14.5020

 169.4431,
235.7906, 231.8678

 4.0915, 10.3111,
8.3279

 208.2138,
284.6378, 281.6705

 1.7540, 5.6057,
4.2147

252.4887,

 0.4897, 2.6068,

339.8042, 338.1380

1.7439

302.6332,
401.6743, 401.6888

■ 0.0000, 0.9301,
0.3905

■ 0.0000, 0.0000,
0.0000

■ 45.3660, 72.8897,
68.1780

■ 45.3660, 72.8897,
68.1780

■ 44.3547, 72.4408,
64.9373


■ 46.9162, 73.6175,
71.5566


■ 44.3539, 72.4405,
64.9345


■ 49.1575, 74.6973,
75.0765


■ 52.1879, 76.1815,
78.7448

■ 56.0879, 78.1115,
82.5664

 60.9282, 80.5237,
86.5456

 66.7717, 83.4506,
90.6864

 73.6762, 86.9218,
94.9923

 81.6949, 90.9648,
99.4669

 90.8771, 95.6051,
104.1134

Harmonies

Analogous

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



49.8157, 72.8897, 39.5333



45.3660, 72.8897, 68.1780



46.5927, 72.8897, 112.0284

Triad

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



45.3660, 72.8897, 68.1780



79.9032, 72.8897, 178.2804



87.9814, 72.8897, 32.1239

Complementary

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



45.3660, 72.8897, 68.1780



40.9444, 21.4891, 8.1249

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.



98.3437, 72.8897, 53.7605



45.3660, 72.8897, 68.1780



93.2489, 72.8897, 139.6579

Square

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



45.3660, 72.8897, 68.1780



65.2546, 72.8897, 186.3185



100.3943, 72.8897, 91.7122



73.4665, 72.8897, 23.9710

Rectangle

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



45.3660, 72.8897, 68.1780



50.5491, 72.8897, 144.2306



100.3943, 72.8897, 91.7122



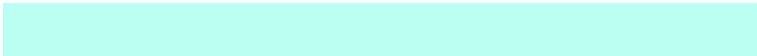
92.1448, 72.8897, 37.6149

Sweetspot

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



45.3680, 72.8925, 68.1797



71.8661, 88.3059, 96.1759



37.1688, 69.8906, 12.4522



14.8850, 18.6514, 20.2609



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.



45.3680, 72.8925, 68.1797



46.3883, 75.7713, 67.8881



35.2710, 42.3365, 96.7585



17.6014, 19.5428, 21.3673



23.5802, 38.4451, 34.7280



2.2215, 3.5757, 3.4145

Inverse Universe

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



40.9444, 21.4891, 8.1249



41.8889, 21.5196, 5.3471



43.1545, 27.5011, 3.9547



17.3929, 17.2845, 18.6589



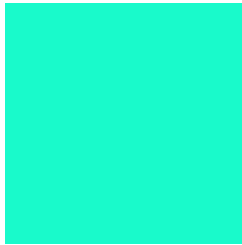
21.2852, 10.9298, 2.9441



2.0081, 1.0270, 0.4659

Previews

White Background



This preview shows how the XYZ color 45.3660, 72.8897, 68.1780 looks on a white background.

Color Contrast Check

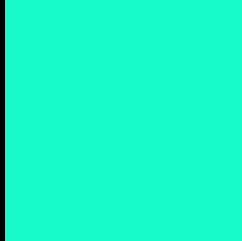
Large Text (above 18pt) WCAG AA × Fail

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 45.3660, 72.8897, 68.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

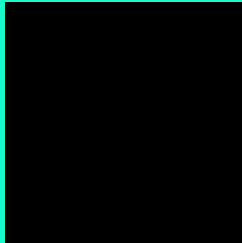
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3660, 72.8897, 68.1780

Background



This preview shows how black text looks on a background with the XYZ color 45.3660, 72.8897, 68.1780.

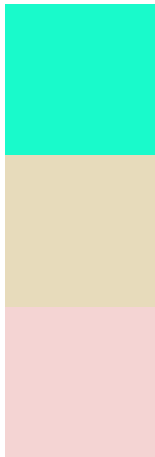


This preview shows how white text looks on a background with the XYZ color 45.3660, 72.8897,

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

45.3660, 72.8897, 68.1780

Protanopia

67.2562, 71.2398, 57.2196

Deuteranopia

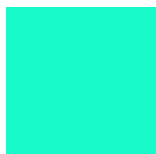
72.6096, 71.0232, 71.5099



Tritanopia

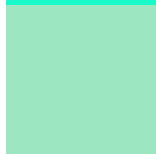
56.0957, 72.2206, 105.5912

Trichromacy



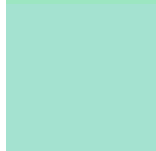
Original Color

45.3660, 72.8897, 68.1780



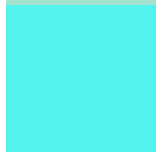
Protanomaly

51.6328, 67.5118, 60.7618



Deuteranomaly

53.8914, 66.8393, 69.7354



Tritanomaly

50.5486, 71.4452, 90.4830

Monochromacy



Original Color

45.3660, 72.8897, 68.1780



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.4818, 50.8685, 54.2448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3660, 72.8897, 68.1780 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(25, 250, 203)` looks like.

```
.text, #text, p{  
    color:rgb(25, 250, 203)  
}
```

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(25, 250, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 250, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.3660, 72.8897, 68.1780 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(25, 250, 203) }
```


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

```
.border{ border-color:rgb(25, 250, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 250, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 250, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 250, 203);  
box-shadow:4px 4px 4px 4px rgb(25, 250,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3660, 72.8897, 68.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 250, 203) }
```

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

```
.background{ background-color: rgb(25, 250,  
203) }
```

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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