

Converting Colors

XYZ(46.1017, 68.2273, 72.3681)

Have a look what the booklet for
XYZ(46.1017, 68.2273, 72.3681)
contains.

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Color

**XYZ(46.1040, 68.2300,
72.3678)**

Conversions

Conversions Part 1

Format	Color
Hex	52EFD3
RGB	82, 239, 211
RGB Percent	32%, 94%, 83%
CMY	0.6784, 0.0627, 0.1725
CMYK	0.66, 0.00, 0.12, 0.06
HSL	169°, 83%, 63%
HSV	169°, 66%, 94%
XYZ	46.1040, 68.2300, 72.3678
YIQ	188.8650, -84.5840, -41.9920

Conversions

Conversions Part 2

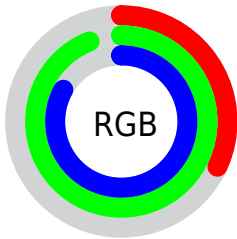
Format	Color
RYB	82, 168, 239
Decimal	5435347
CIELab	86.12, -47.32, 1.53
CIELCh	86, 47.344, 178.145
Yxy	68.2300, 0.2469, 0.3654
Android (android.graphics.Color)	4283625427 (0xFF52EFD3)
YUV	188.8650, 10.9126, -93.7206
Hunter-Lab	82.6015, -44.9228, 5.8766

Details

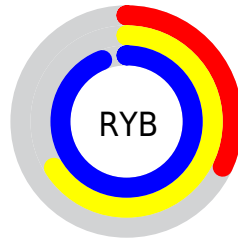
The XYZ color **46.1040, 68.2300, 72.3678** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **41.4306, 25.5129, 17.4950**, and the grayscale version is **48.2688, 50.7825, 55.3022**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **22.8138, 35.8902, 37.6234** is the 20% darker color. If you saturate the color by 10%, you get **43.8493, 67.1302, 69.5106**, and if you desaturate by 10%, it is **49.1002, 69.7137, 75.3367**.

Distribution



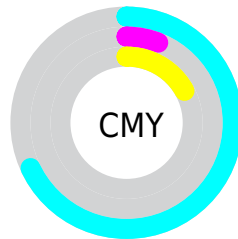
- Red (32%)
- Green (94%)
- Blue (83%)



- Red (32%)
- Yellow (66%)
- Blue (94%)



- Cyan (66%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)





- Cyan (68%)
- Magenta (6%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1040, 68.2300, 72.3678 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 46.1040, 68.2300, 72.3678 by changing the saturation by 10% instead.


 46.1040, 68.2300,
72.3678


 46.1040, 68.2300,
72.3678


361.9355,
454.3105, 487.8327


 32.5329, 50.0849,
52.9705


 83.6015, 116.6811,
124.2919


 21.9264, 35.4808,
37.3917


 108.2586,
147.7559, 157.6558

 13.9191, 24.0335,
25.2127


 137.3418,
183.9093, 196.5122

 8.1457, 15.3585,
16.0152

 171.2163,
225.5259, 241.2799

 4.2409, 9.0714,
9.3804

210.2476,
272.9898, 292.3772

 1.8393, 4.7878,
4.8899

254.8010,

 0.5412, 2.1233,

326.6857, 350.2227

2.1252

305.2419,
386.9978, 415.2350

■ 0.0000, 0.6777,
0.6307

■ 0.0000, 0.0000,
0.0000

■ 46.1040, 68.2300,
72.3678

■ 46.1040, 68.2300,
72.3678

■ 43.8493, 67.1302,
69.5106

■ 49.1002, 69.7137,
75.3367

■ 42.2513, 66.3657,
66.7561


■ 52.8997, 71.6082,
78.4162


■ 41.2143, 65.8889,
64.1007


■ 57.5645, 73.9471,
81.6113


■ 40.8742, 65.7379,
62.9832


■ 63.1488, 76.7583,
84.9251

 69.7023, 80.0675,
88.3605

 77.2711, 83.8984,
91.9201

 85.8983, 88.2732,
95.6064

 88.6051, 89.5943,
99.0935

 89.2639, 89.8578,
102.5630

Harmonies

Analogous

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



48.6512, 68.2300, 46.9385



46.1040, 68.2300, 72.3678



48.0941, 68.2300, 106.2964

Triad

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



46.1040, 68.2300, 72.3678



75.2303, 68.2300, 140.6520



76.5331, 68.2300, 34.1292

Complementary

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



46.1040, 68.2300, 72.3678



41.4306, 25.5129, 17.4950

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.



85.1067, 68.2300, 49.4563



46.1040, 68.2300, 72.3678



84.2974, 68.2300, 110.6202

Square

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



46.1040, 68.2300, 72.3678



64.1756, 68.2300, 151.7272



88.0937, 68.2300, 76.2477



65.5303, 68.2300, 29.0492

Rectangle

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



46.1040, 68.2300, 72.3678



51.8663, 68.2300, 128.4643



88.0937, 68.2300, 76.2477



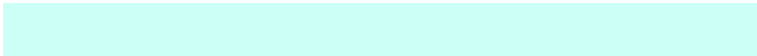
79.8389, 68.2300, 37.9971

Sweetspot

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



46.1059, 68.2326, 72.3694



77.2816, 91.0053, 100.6039



38.9199, 65.7104, 18.6159



16.0887, 19.2503, 21.2938



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.



46.1059, 68.2326, 72.3694



50.0526, 77.4100, 79.3694



37.3204, 44.5455, 88.2955



16.1193, 17.8778, 19.6512



22.6315, 36.3446, 35.0381



1.9140, 3.0360, 3.0796

Inverse Universe

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



41.4306, 25.5129, 17.4950



44.3617, 24.5860, 11.9648



45.3348, 35.3879, 12.4250



15.8879, 15.8049, 16.9659



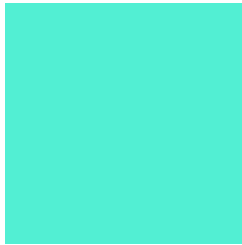
19.9425, 10.2494, 2.3476



1.6913, 0.8656, 0.3653

Previews

White Background



This preview shows how the XYZ color 46.1040, 68.2300, 72.3678 looks on a white background.

Color Contrast Check

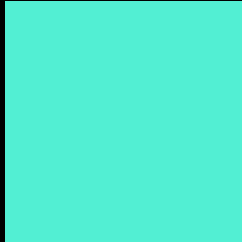
Large Text (above 18pt) WCAG AA × Fail

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 46.1040, 68.2300, 72.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

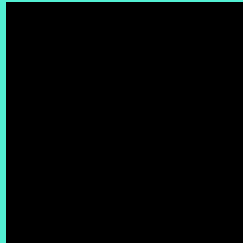
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

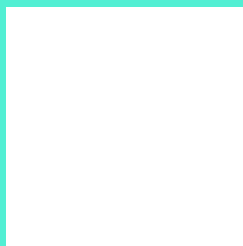
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1040, 68.2300, 72.3678

Background



This preview shows how black text looks on a background with the XYZ color 46.1040, 68.2300, 72.3678.



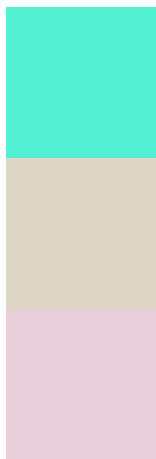
This preview shows how white text looks on a background with the XYZ color 46.1040, 68.2300,

72.3678.

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

46.1040, 68.2300, 72.3678

Protanopia

63.6911, 66.9919, 62.3972

Deuteranopia

68.2464, 66.8434, 75.6348



Tritanopia

51.9651, 68.0154, 102.4849

Trichromacy



Original Color

46.1040, 68.2300, 72.3678



Protanomaly

53.3595, 65.0529, 65.6212



Deuteranomaly

55.7287, 64.9164, 73.8829



Tritanomaly

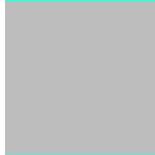
49.5086, 67.8582, 90.6093

Monochromacy



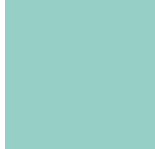
Original Color

46.1040, 68.2300, 72.3678



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.9685, 55.1409, 61.0965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1040, 68.2300, 72.3678 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(82, 239, 211)` looks like.

```
.text, #text, p{  
    color:rgb(82, 239, 211)  
}
```

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(82, 239, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 239, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.1040, 68.2300, 72.3678 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(82, 239, 211) }
```


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

```
.border{ border-color:rgb(82, 239, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 239, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 239, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 239, 211);  
box-shadow:4px 4px 4px 4px rgb(82, 239,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1040, 68.2300, 72.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 239, 211) }
```

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

```
.background{ background-color: rgb(82, 239,  
211) }
```

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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