

Converting Colors

XYZ(45.2288, 56.7095, 70.1295)

Have a look what the booklet for
XYZ(45.2288, 56.7095, 70.1295)
contains.

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Color

**XYZ(45.2055, 56.5259,
70.1560)**

Conversions

Conversions Part 1

Format	Color
Hex	88D3D3
RGB	136, 211, 211
RGB Percent	53%, 83%, 83%
CMY	0.4667, 0.1725, 0.1725
CMYK	0.36, 0.00, 0.00, 0.17
HSL	180°, 46%, 68%
HSV	180°, 36%, 83%
XYZ	45.2055, 56.5259, 70.1560
YIQ	188.5750, -44.7000, -15.9000

Conversions

Conversions Part 2

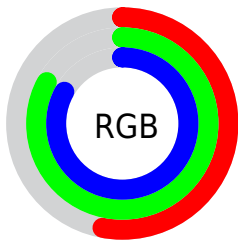
Format	Color
RYB	136, 174, 211
Decimal	8967123
CIELab	79.91, -23.12, -7.38
CIELCh	80, 24.272, 197.692
Yxy	56.5259, 0.2630, 0.3289
Android (android.graphics.Color)	4287157203 (0xFF88D3D3)
YUV	188.5750, 11.0555, -46.1083
Hunter-Lab	75.1837, -24.2453, -2.6965

Details

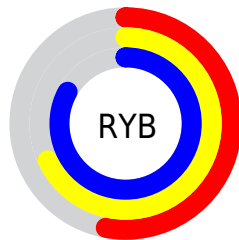
The XYZ color **45.2055, 56.5259, 70.1560** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1141, 33.2365, 27.5958**, and the grayscale version is **48.0857, 50.5899, 55.0924**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **21.3676, 27.9606, 36.1690** is the 20% darker color. If you saturate the color by 10%, you get **42.1107, 54.9318, 70.0120**, and if you desaturate by 10%, it is **48.9782, 58.4722, 70.3342**.

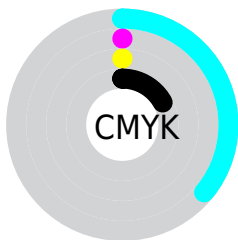
Distribution



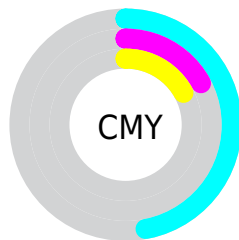
- Red (53%)
- Green (83%)
- Blue (83%)



- Red (53%)
- Yellow (68%)
- Blue (83%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





- Cyan (47%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2055, 56.5259, 70.1560 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 45.2055, 56.5259, 70.1560 by changing the saturation by 10% instead.


 45.2055, 56.5259,
70.1560


 45.2055, 56.5259,
70.1560


358.3749,
411.6704, 479.9015


 31.8213, 40.6247,
51.1761


 82.2639, 99.7731,
121.1144

 21.3799, 28.0260,
35.9711


 106.6687,
127.8879, 153.9300

 13.5160, 18.3452,
24.1224

 135.4779,
160.8427, 192.1946

 7.8643, 11.1981,
15.2114

169.0566,
199.0219, 236.3268

 4.0593, 6.2003,
8.8196

207.7703,
242.8098, 286.7450

 1.7357, 2.9672,
4.5285

251.9844,

 0.4785, 1.1146,

292.5910, 343.8678

1.9195

302.0641,
348.7497, 408.1138

■ 0.0000, 0.0000,
0.5051

■ 0.0000, 0.0000,
0.0000

■ 45.2055, 56.5259,
70.1560

■ 45.2055, 56.5259,
70.1560

■ 42.1107, 54.9318,
70.0120

■ 48.9782, 58.4722,
70.3342

■ 39.6490, 53.6628,
69.8963

■ 53.4604, 60.7828,
70.5444

■ 37.7782, 52.6984,
69.8084

■ 58.6876, 63.4775,
70.7894

■ 36.4487, 52.0130,
69.7457

■ 64.6915, 66.5727,
71.0708

■ 35.6030, 51.5771,
69.7057

■ 71.5021, 70.0836,
71.3900

■ 35.1704, 51.3541,
69.6851

■ 76.2937, 72.5538,
71.6147

■ 35.0527, 51.2934,
69.6794

■ 76.2938, 72.5538,
71.6151

■ 76.2939, 72.5539,
71.6155

■ 76.2940, 72.5539,
71.6159

Harmonies

Analogous

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



45.0008, 56.5259, 55.9487



45.2055, 56.5259, 70.1560



47.6048, 56.5259, 83.8440

Triad

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



45.2055, 56.5259, 70.1560



61.0327, 56.5259, 81.6515



55.7688, 56.5259, 38.6841

Complementary

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



45.2055, 56.5259, 70.1560



40.1141, 33.2365, 27.5958

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.



60.3510, 56.5259, 43.6014



45.2055, 56.5259, 70.1560



63.5123, 56.5259, 67.5070

Square

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



45.2055, 56.5259, 70.1560



56.6536, 56.5259, 91.1459



63.2554, 56.5259, 53.6729



50.9014, 56.5259, 39.1695

Rectangle

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



45.2055, 56.5259, 70.1560



50.2135, 56.5259, 90.1792



63.2554, 56.5259, 53.6729



57.3989, 56.5259, 39.7246

Sweetspot

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



45.2072, 56.5281, 70.1573



85.4726, 95.0627, 108.4511



38.0975, 53.7079, 31.6526



18.0636, 20.2282, 23.2022



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.



45.2072, 56.5281, 70.1573



65.5483, 84.7914, 107.5165



37.1943, 40.5020, 67.4878



12.1584, 13.4071, 15.1906



21.1535, 30.9543, 42.0498



1.1828, 1.7308, 2.3512

Inverse Universe

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



40.1141, 33.2365, 27.5958



56.5571, 43.6732, 32.3800



46.1101, 45.2288, 29.5937



11.8088, 11.8083, 12.2689



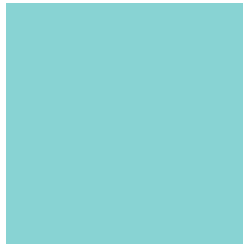
16.2124, 8.3578, 0.7589



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 45.2055, 56.5259, 70.1560 looks on a white background.

Color Contrast Check

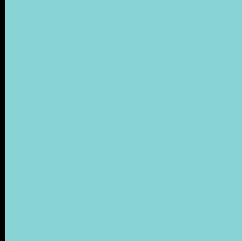
Large Text (above 18pt) WCAG AA × Fail

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 45.2055, 56.5259, 70.1560 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

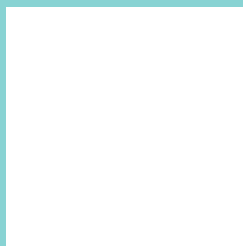
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2055, 56.5259, 70.1560

Background



This preview shows how black text looks on a background with the XYZ color 45.2055, 56.5259, 70.1560.

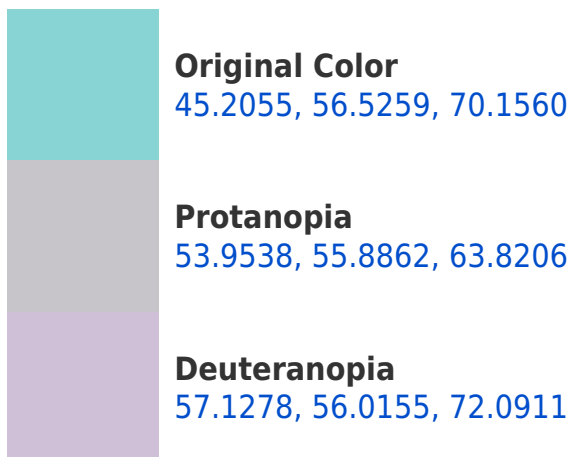


This preview shows how white text looks on a background with the XYZ color 45.2055, 56.5259,

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





Tritanopia

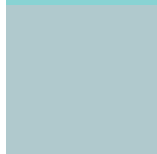
47.3431, 56.6674, 80.3942

Trichromacy



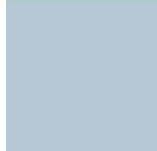
Original Color

45.2055, 56.5259, 70.1560



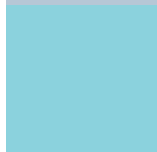
Protanomaly

49.8106, 55.4112, 65.8277



Deuteranomaly

51.8524, 55.6470, 71.6264



Tritanomaly

46.7452, 56.8026, 76.9069

Monochromacy



Original Color

45.2055, 56.5259, 70.1560



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.6219, 52.5098, 60.5015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2055, 56.5259, 70.1560 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(136, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(136, 211, 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(136, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 211, 211) }
```

Border

The CSS property to change the border of an element to XYZ 45.2055, 56.5259, 70.1560 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(136, 211, 211) }
```


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

```
.border{ border-color:rgb(136, 211, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 211, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(136, 211,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2055, 56.5259, 70.1560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 211, 211) }
```

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

```
.background{ background-color: rgb(136,  
211, 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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