

Converting Colors

XYZ(56.3800, 72.8202, 89.0512)

Have a look what the booklet for
XYZ(56.3800, 72.8202, 89.0512)
contains.

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Color

**XYZ(56.2410, 72.6650,
88.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	8CEEEA
RGB	140, 238, 234
RGB Percent	55%, 93%, 92%
CMY	0.4510, 0.0667, 0.0823
CMYK	0.41, 0.00, 0.02, 0.07
HSL	178°, 74%, 74%
HSV	178°, 41%, 93%
XYZ	56.2410, 72.6650, 88.9034
YIQ	208.2420, -57.1240, -22.0200

Conversions

Conversions Part 2

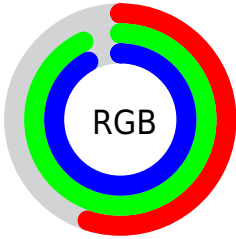
Format	Color
RYB	140, 190, 238
Decimal	9236202
CIELab	88.29, -29.75, -7.13
CIELCh	88, 30.590, 193.469
Yxy	72.6650, 0.2582, 0.3336
Android (android.graphics.Color)	4287426282 (0xFF8CEEEA)
YUV	208.2420, 12.6987, -59.8482
Hunter-Lab	85.2438, -31.4082, -2.1648

Details

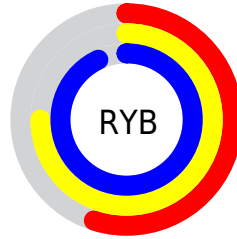
The XYZ color **56.2410, 72.6650, 88.9034** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.6745, 38.9490, 31.2879**, and the grayscale version is **60.0597, 63.1875, 68.8111**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **28.2435, 38.4641, 48.0552** is the 20% darker color. If you saturate the color by 10%, you get **52.5175, 70.7633, 88.0037**, and if you desaturate by 10%, it is **60.8368, 75.0198, 89.8511**.

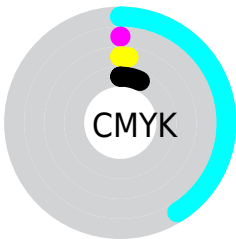
Distribution



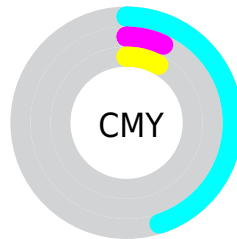
- Red (55%)
- Green (93%)
- Blue (92%)



- Red (55%)
- Yellow (75%)
- Blue (93%)



- Cyan (41%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)





- Cyan (45%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2410, 72.6650, 88.9034 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 56.2410, 72.6650, 88.9034 by changing the saturation by 10% instead.


 56.2410, 72.6650,
88.9034


 56.2410, 72.6650,
88.9034


400.6594,
469.8529, 544.9349

 40.6339, 53.7021,
66.5029

 98.4946, 123.0015,
147.7364

 28.2196, 38.3635,
48.2217


 125.8719,
155.1439, 185.0060

 18.6325, 26.2650,
33.6413


157.9033,
192.4482, 228.0690

 11.5075, 17.0220,
22.3430

194.9542,
235.2989, 277.3441

 6.4791, 10.2502,
13.9084

237.3898,
284.0803, 333.2497

 3.1819, 5.5651,
7.9190

285.5757,

 1.2507, 2.5825,

339.1769, 396.2043

3.9561

339.8771,
400.9729, 466.6265

■ 0.1458, 0.9179,
1.6013

■ 0.0000, 0.0000,
0.2917

■ 56.2410, 72.6650,
88.9034

■ 56.2410, 72.6650,
88.9034

■ 52.5175, 70.7633,
88.0037

■ 60.8368, 75.0198,
89.8511

■ 49.6034, 69.2771,
87.1442


■ 66.3500, 77.8457,
90.8442


■ 47.4378, 68.1765,
86.3238


■ 72.8300, 81.1699,
91.8866


■ 45.9481, 67.4244,
85.5389


■ 80.3211, 85.0152,
92.9803


 45.0476, 66.9759,
84.7857

 87.3753, 88.6353,
94.0575

 44.6187, 66.7687,
84.1414

 87.5192, 88.6929,
94.8154

 87.6639, 88.7507,
95.5774

 87.8094, 88.8089,
96.3435

 87.9557, 88.8674,
97.1136

Harmonies

Analogous

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



56.4112, 72.6650, 68.1772



56.2410, 72.6650, 88.9034



59.3299, 72.6650, 110.2797

Triad

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



56.2410, 72.6650, 88.9034



79.2276, 72.6650, 112.1942



73.1560, 72.6650, 46.3777

Complementary

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



56.2410, 72.6650, 88.9034



49.6745, 38.9490, 31.2879

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.



79.8127, 72.6650, 54.4632



56.2410, 72.6650, 88.9034



83.4843, 72.6650, 91.1748

Square

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



56.2410, 72.6650, 88.9034



72.4025, 72.6650, 125.2468



83.7058, 72.6650, 70.0817



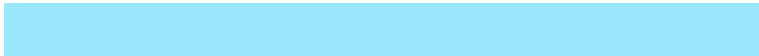
65.8334, 72.6650, 45.9877

Rectangle

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



56.2410, 72.6650, 88.9034



62.9572, 72.6650, 121.0278



83.7058, 72.6650, 70.0817



75.5575, 72.6650, 48.2107

Sweetspot

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



56.2431, 72.6679, 88.9051



84.4740, 94.5710, 107.3582



46.9698, 69.0561, 35.6661



17.8569, 20.1272, 22.9443



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.



56.2431, 72.6679, 88.9051



62.2127, 83.1654, 103.1313



45.5196, 50.2900, 88.1999



16.2179, 17.9172, 20.1701



24.9040, 37.2536, 47.0050



2.0804, 3.1026, 3.9557

Inverse Universe

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



49.6745, 38.9490, 31.2879



53.6133, 38.9922, 27.6788



57.1573, 54.3956, 32.2994



15.7990, 15.7693, 16.4976



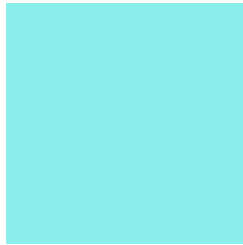
19.7126, 10.1574, 1.1369



1.6490, 0.8487, 0.1427

Previews

White Background



This preview shows how the XYZ color 56.2410, 72.6650, 88.9034 looks on a white background.

Color Contrast Check

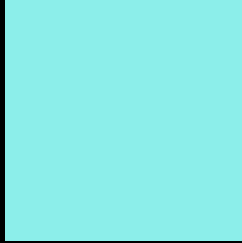
Large Text (above 18pt) WCAG AA × Fail

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 56.2410, 72.6650, 88.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

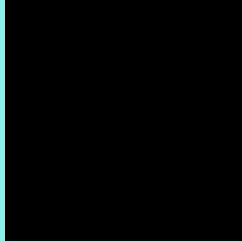
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2410, 72.6650, 88.9034

Background



This preview shows how black text looks on a background with the XYZ color 56.2410, 72.6650, 88.9034.

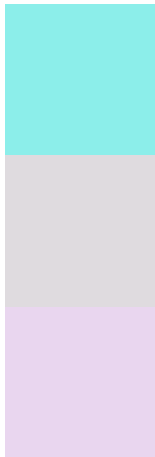


This preview shows how white text looks on a background with the XYZ color 56.2410, 72.6650,

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

56.2410, 72.6650, 88.9034

Protanopia

69.0822, 71.6787, 80.0064

Deuteranopia

73.2308, 71.6488, 91.6313



Tritanopia

59.4518, 72.6834, 104.6618

Trichromacy



Original Color

56.2410, 72.6650, 88.9034



Protanomaly

63.0538, 71.2762, 83.1074



Deuteranomaly

65.2269, 71.0319, 90.3935



Tritanomaly

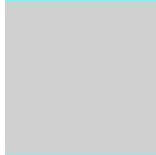
58.2856, 72.6356, 98.9438

Monochromacy



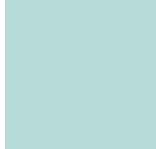
Original Color

56.2410, 72.6650, 88.9034



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.3843, 65.7401, 75.3103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2410, 72.6650, 88.9034 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(140, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(140, 238, 234)  
}
```

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(140, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 238, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.2410, 72.6650, 88.9034 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(140, 238, 234) }
```


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

```
.border{ border-color:rgb(140, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(140, 238,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2410, 72.6650, 88.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 238, 234) }
```

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

```
.background{ background-color: rgb(140,  
238, 234) }
```

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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