

Converting Colors

XYZ(55.9022, 71.5304, 88.8560)

Have a look what the booklet for
XYZ(55.9022, 71.5304, 88.8560)
contains.

XYZ(56.0021, 71.6822, 88.7263)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.0021, 71.6822,
88.7263)**

Conversions

Conversions Part 1

Format	Color
Hex	8EECEA
RGB	142, 236, 234
RGB Percent	56%, 93%, 92%
CMY	0.4431, 0.0745, 0.0823
CMYK	0.40, 0.00, 0.01, 0.07
HSL	179°, 71%, 74%
HSV	179°, 40%, 93%
XYZ	56.0021, 71.6822, 88.7263
YIQ	207.6660, -55.3820, -20.5500

Conversions

Conversions Part 2

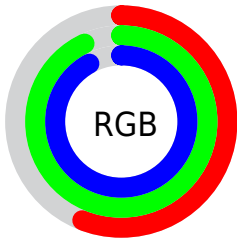
Format	Color
RYB	142, 190, 236
Decimal	9366762
CIELab	87.82, -28.31, -7.82
CIELCh	88, 29.367, 195.434
Yxy	71.6822, 0.2588, 0.3312
Android (android.graphics.Color)	4287556842 (0xFF8EECEA)
YUV	207.6660, 12.9827, -57.5891
Hunter-Lab	84.6653, -30.0951, -2.8681

Details

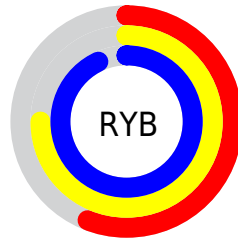
The XYZ color **56.0021, 71.6822, 88.7263** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.3016, 39.1947, 31.3551**, and the grayscale version is **59.6841, 62.7924, 68.3809**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **28.1035, 37.7882, 47.9321** is the 20% darker color. If you saturate the color by 10%, you get **52.3022, 69.7849, 88.1782**, and if you desaturate by 10%, it is **60.5636, 74.0271, 89.3190**.

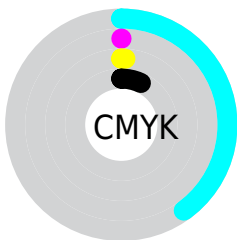
Distribution



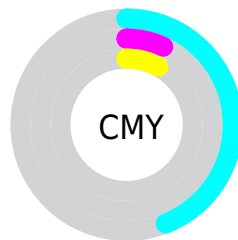
- Red (56%)
- Green (93%)
- Blue (92%)



- Red (56%)
- Yellow (75%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)





- Cyan (44%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0021, 71.6822, 88.7263 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 56.0021, 71.6822, 88.7263 by changing the saturation by 10% instead.


 56.0021, 71.6822,
88.7263


 56.0021, 71.6822,
88.7263


399.7743,
466.4347, 544.3416

 40.4416, 52.8991,
66.3570


 98.1474, 121.6046,
147.4879

 28.0688, 37.7222,
48.1039


 125.4630,
153.5127, 184.7173

 18.5182, 25.7672,
33.5486


157.4276,
190.5646, 227.7371

 11.4246, 16.6495,
22.2725

194.4067,
233.1447, 276.9659

 6.4226, 9.9849,
13.8570

236.7655,
281.6373, 332.8222

 3.1468, 5.3890,
7.8837

284.8695,

 1.2319, 2.4772,

336.4269, 395.7246

3.9339

339.0840,
397.8979, 466.0915

■ 0.1313, 0.8652,
1.5892

■ 0.0000, 0.0000,
0.2831

■ 56.0021, 71.6822,
88.7263

■ 56.0021, 71.6822,
88.7263

■ 52.3022, 69.7849,
88.1782

■ 60.5636, 74.0271,
89.3190

■ 49.4030, 68.2986,
87.6670

■ 66.0303, 76.8369,
89.9535

■ 47.2458, 67.1948,
87.1916

■ 72.4500, 80.1380,
90.6337

■ 45.7610, 66.4377,
86.7488

■ 79.8658, 83.9526,
91.3616

■ 44.8662, 65.9846,
86.3346

■ 86.4520, 87.3394,
92.0517

■ 44.4233, 65.7645,
85.9427

■ 86.5253, 87.3687,
92.4381

■ 44.4171, 65.7614,
85.9361

■ 86.5989, 87.3982,
92.8256

■ 86.6727, 87.4277,
93.2142

■ 86.7467, 87.4573,
93.6039

Harmonies

Analogous

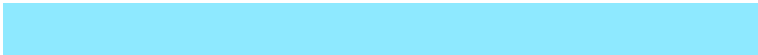
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.9560, 71.6822, 68.7810



56.0021, 71.6822, 88.7263



59.1455, 71.6822, 108.7435

Triad

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



56.0021, 71.6822, 88.7263



78.1423, 71.6822, 108.2314



71.5614, 71.6822, 46.4593

Complementary

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



56.0021, 71.6822, 88.7263



49.3016, 39.1947, 31.3551

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.



77.9851, 71.6822, 53.7545



56.0021, 71.6822, 88.7263



81.9569, 71.6822, 88.1158

Square

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



56.0021, 71.6822, 88.7263



71.7643, 71.6822, 121.2470



81.8975, 71.6822, 68.2660



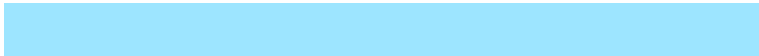
64.6240, 71.6822, 46.5659

Rectangle

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



56.0021, 71.6822, 88.7263



62.7057, 71.6822, 118.4624



81.8975, 71.6822, 68.2660



73.8622, 71.6822, 48.0644

Sweetspot

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



56.0042, 71.6850, 88.7280



84.5698, 94.6094, 107.8626



46.5808, 67.9786, 36.2590



17.8796, 20.1362, 23.0639



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.



56.0042, 71.6850, 88.7280



63.0028, 83.5272, 105.2237



45.1768, 49.5672, 86.5463



15.5030, 17.1160, 19.3317



24.4891, 36.2501, 47.4022



1.9274, 2.8483, 3.7455

Inverse Universe

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



49.3016, 39.1947, 31.3551



53.9607, 39.6809, 27.8135



57.0080, 54.8501, 33.1754



15.0785, 15.0592, 15.6986



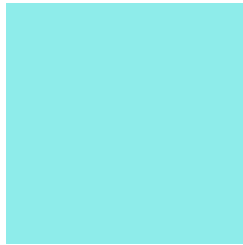
19.0889, 9.8383, 1.0036



1.5035, 0.7744, 0.1030

Previews

White Background



This preview shows how the XYZ color 56.0021, 71.6822, 88.7263 looks on a white background.

Color Contrast Check

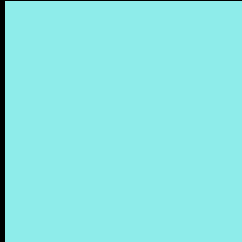
Large Text (above 18pt) WCAG AA × Fail

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 56.0021, 71.6822, 88.7263 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

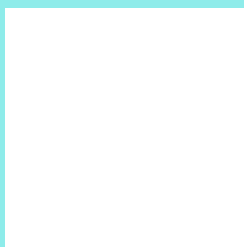
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0021, 71.6822, 88.7263

Background



This preview shows how black text looks on a background with the XYZ color 56.0021, 71.6822, 88.7263.

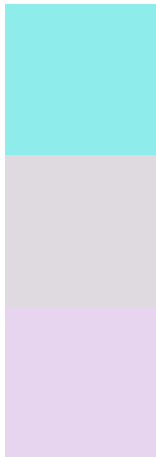


This preview shows how white text looks on a background with the XYZ color 56.0021, 71.6822, 88.7263.

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

56.0021, 71.6822, 88.7263

Protanopia

68.5149, 71.0001, 79.9053

Deuteranopia

72.3292, 70.8094, 91.5168



Tritanopia

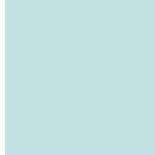
58.7422, 71.5091, 102.8021

Trichromacy



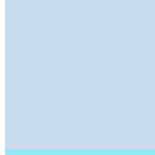
Original Color

56.0021, 71.6822, 88.7263



Protanomaly

62.7827, 70.7339, 83.0171



Deuteranomaly

64.6957, 69.9694, 90.2164



Tritanomaly

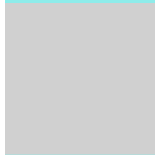
57.5813, 71.4580, 97.1441

Monochromacy



Original Color

56.0021, 71.6822, 88.7263



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.3630, 65.3429, 75.2347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0021, 71.6822, 88.7263 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(142, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(142, 236, 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(142, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 236, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.0021, 71.6822, 88.7263 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(142, 236, 234) }
```


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

```
.border{ border-color:rgb(142, 236, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(142, 236,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0021, 71.6822, 88.7263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 236, 234) }
```

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

```
.background{ background-color: rgb(142,  
236, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor