

Converting Colors

XYZ(56.6740, 77.0935,
100.6970)

Have a look what the booklet for
XYZ(56.6740, 77.0935, 100.6970)
contains.

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Color

**XYZ(56.6950, 77.1003,
100.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	6CF8F8
RGB	108, 248, 248
RGB Percent	42%, 97%, 97%
CMY	0.5764, 0.0274, 0.0274
CMYK	0.56, 0.00, 0.00, 0.03
HSL	180°, 91%, 70%
HSV	180°, 56%, 97%
XYZ	56.6950, 77.1003, 100.7006
YIQ	206.1400, -83.4400, -29.6800

Conversions

Conversions Part 2

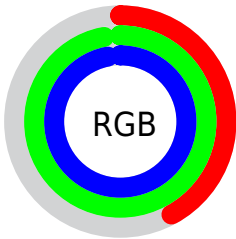
Format	Color
R _Y B	108, 178, 248
Decimal	7141624
CIE Lab	90.37, -37.59, -11.47
CIE LCh	90, 39.298, 196.964
Yxy	77.1003, 0.2418, 0.3288
Android (android.graphics.Color)	4285331704 (0xFF6CF8F8)
YUV	206.1400, 20.6370, -86.0688
Hunter-Lab	87.8068, -38.4081, -6.5316

Details

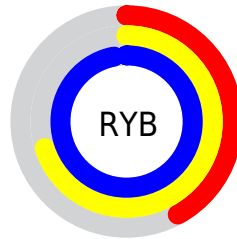
The XYZ color **56.6950, 77.1003, 100.7006** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **46.7833, 31.7666, 17.8557**, and the grayscale version is **58.6684, 61.7237, 67.2171**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **28.5219, 41.2616, 56.3302** is the 20% darker color. If you saturate the color by 10%, you get **54.0976, 75.7631, 100.5804**, and if you desaturate by 10%, it is **60.1547, 78.8856, 100.8646**.

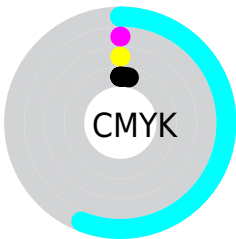
Distribution



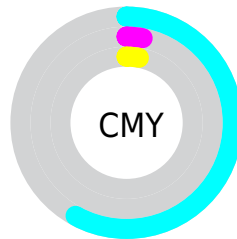
- Red (42%)
- Green (97%)
- Blue (97%)



- Red (42%)
- Yellow (70%)
- Blue (97%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (58%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6950, 77.1003, 100.7006 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 56.6950, 77.1003, 100.7006 by changing the saturation by 10% instead.

56.6950, 77.1003,
100.7006

56.6950, 77.1003,
100.7006

402.3381,
485.1059, 583.7024

40.9996, 57.3352,
76.2656

99.1539, 129.2811,
164.1799

28.5064, 41.2744,
56.1424

126.6482,
162.4655, 204.0613

18.8502, 28.5336,
39.9123

158.8061,
200.8918, 249.9286

11.6654, 18.7283,
27.1569

195.9931,
244.9445, 302.2003

6.5869, 11.4741,
17.4576

238.5744,
295.0078, 361.2950

3.2491, 6.3867,
10.3959

286.9154,

1.2868, 3.0816,

351.4662, 427.6313

5.5532

341.3816,
414.7042, 501.6275

■ 0.1733, 1.1745,
2.5110

■ 0.0000, 0.0407,
0.8460

■ 56.6950, 77.1003,
100.7006

■ 56.6950, 77.1003,
100.7006

■ 54.0976, 75.7631,
100.5804

■ 60.1547, 78.8856,
100.8646

■ 52.2806, 74.8264,
100.4950


■ 64.5357, 81.1441,
101.0699


■ 51.1587, 74.2480,
100.4422


■ 69.9002, 83.9096,
101.3213


■ 50.6221, 73.9714,
100.4167


■ 76.3028, 87.2102,
101.6213


 50.5119, 73.9146,
100.4115

 83.7940, 91.0721,
101.9722

 91.7526, 95.1748,
102.3450

 91.7526, 95.1749,
102.3454

 91.7527, 95.1749,
102.3457

 91.7528, 95.1749,
102.3461

Harmonies

Analogous

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



56.4137, 77.1003, 72.3554



56.6950, 77.1003, 100.7006



61.1591, 77.1003, 129.8963

Triad

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



56.6950, 77.1003, 100.7006



87.9360, 77.1003, 126.4277



77.6145, 77.1003, 41.5849

Complementary

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



56.6950, 77.1003, 100.7006



46.7833, 31.7666, 17.8557

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.



86.9084, 77.1003, 50.3587



56.6950, 77.1003, 100.7006



93.2154, 77.1003, 96.7195

Square

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



56.6950, 77.1003, 100.7006



78.9184, 77.1003, 146.8706



92.8234, 77.1003, 69.1667



67.9197, 77.1003, 42.1873

Rectangle

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



56.6950, 77.1003, 100.7006



66.1525, 77.1003, 144.0505



92.8234, 77.1003, 69.1667



80.9052, 77.1003, 43.4351

Sweetspot

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



56.6973, 77.1032, 100.7024



80.8605, 92.6850, 108.2353



42.7485, 71.5570, 25.7480



16.9970, 19.6784, 23.1523



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.



56.6973, 77.1032, 100.7024



57.2545, 80.5158, 107.1287



39.5187, 42.7455, 94.9781



17.7659, 19.6086, 22.2337



27.2855, 39.9272, 54.2404



2.5271, 3.6979, 5.0236

Inverse Universe

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



46.7833, 31.7666, 17.8557



45.7351, 27.8376, 10.8663



56.8810, 51.9622, 21.2209



17.2447, 17.2252, 17.8784



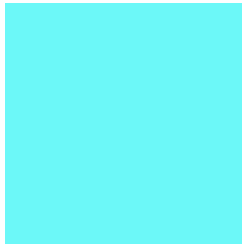
20.9119, 10.7805, 0.9788



1.9368, 0.9985, 0.0907

Previews

White Background



This preview shows how the XYZ color 56.6950, 77.1003, 100.7006 looks on a white background.

Color Contrast Check

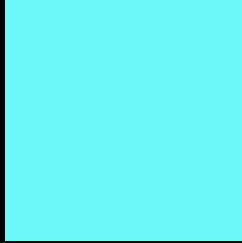
Large Text (above 18pt) WCAG AA × Fail

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 56.6950, 77.1003, 100.7006 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 56.6950, 77.1003, 100.7006

Background



This preview shows how black text looks on a background with the XYZ color 56.6950, 77.1003, 100.7006.

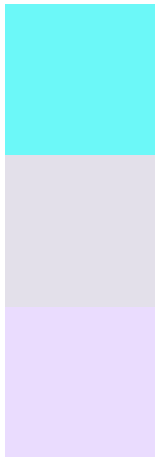


This preview shows how white text looks on a background with the XYZ color 56.6950, 77.1003,

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

56.6950, 77.1003, 100.7006

Protanopia

73.1855, 75.5827, 88.5735

Deuteranopia

77.4143, 75.8346, 104.3233



Tritanopia

62.9204, 76.6081, 106.0783

Trichromacy



Original Color

56.6950, 77.1003, 100.7006



Protanomaly

64.4861, 74.7002, 92.6812



Deuteranomaly

66.6065, 74.3133, 102.9288



Tritanomaly

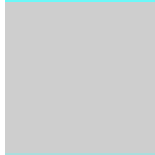
60.2687, 76.6184, 103.7078

Monochromacy



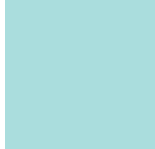
Original Color

56.6950, 77.1003, 100.7006



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.4852, 65.4794, 78.1210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6950, 77.1003, 100.7006 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(108, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(108, 248, 248)  
}
```

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(108, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 248, 248) }
```

Border

The CSS property to change the border of an element to XYZ 56.6950, 77.1003, 100.7006 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(108, 248, 248) }
```


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

```
.border{ border-color:rgb(108, 248, 248) }
```

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

Here you see how a box with a 4 pixel rgb(108, 248, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(108, 248,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6950, 77.1003, 100.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 248, 248) }
```

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

```
.background{ background-color: rgb(108,  
248, 248) }
```

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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