

Converting Colors

XYZ(66.4227, 100.0000,
96.4428)

Have a look what the booklet for
XYZ(66.4227, 100.0000, 96.4428)
contains.

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Color

**XYZ(56.7861, 80.5766,
93.4488)**

Conversions

Conversions Part 1

Format	Color
Hex	67FFEE
RGB	103, 255, 238
RGB Percent	40%, 100%, 93%
CMY	0.5961, 0.0000, 0.0667
CMYK	0.60, 0.00, 0.07, 0.00
HSL	173°, 100%, 70%
HSV	173°, 60%, 100%
XYZ	56.7861, 80.5766, 93.4488
YIQ	207.6140, -85.1350, -37.5110

Conversions

Conversions Part 2

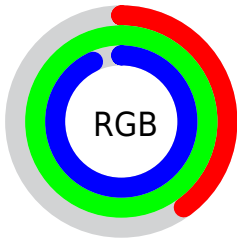
Format	Color
RYB	103, 184, 255
Decimal	6815726
CIELab	91.94, -44.15, -3.96
CIELCh	92, 44.330, 185.120
Yxy	80.5766, 0.2460, 0.3491
Android (android.graphics.Color)	4285005806 (0xFF67FFEE)
YUV	207.6140, 14.9803, -91.7465
Hunter-Lab	89.7645, -44.1665, 1.1116

Details

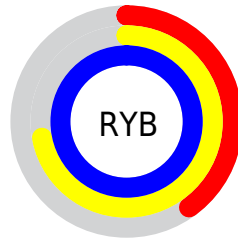
The XYZ color **56.7861, 80.5766, 93.4488** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.4813, 32.3179, 21.4008**, and the grayscale version is **59.6507, 62.7572, 68.3426**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **28.6501, 43.7720, 51.1948** is the 20% darker color. If you saturate the color by 10%, you get **53.8787, 79.1258, 91.1441**, and if you desaturate by 10%, it is **60.5938, 82.4907, 95.8332**.

Distribution



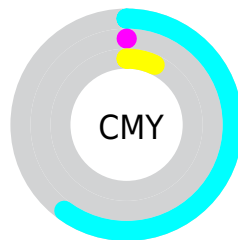
- Red (40%)
- Green (100%)
- Blue (93%)



- Red (40%)
- Yellow (72%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7861, 80.5766, 93.4488 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 56.7861, 80.5766, 93.4488 by changing the saturation by 10% instead.


 56.7861, 80.5766,
93.4488


 56.7861, 80.5766,
93.4488


402.6745,
496.8739, 560.0439

 41.0730, 60.1930,
70.2548


 99.2862, 134.1761,
154.0969

 28.5641, 43.5742,
51.2562


 126.8039,
168.1607, 192.3881

 18.8939, 30.3359,
36.0344


 158.9871,
207.4478, 236.5488

 11.6972, 20.0937,
24.1709

196.2013,
252.4218, 286.9976

 6.6086, 12.4632,
15.2471

238.8118,
303.4670, 344.1530

 3.2627, 7.0599,
8.8444

287.1839,

 1.2941, 3.4996,

360.9678, 408.4334

4.5444

341.6830,
425.3086, 480.2576

■ 0.1788, 1.3978,
1.9285

■ 0.0000, 0.2151,
0.5108

■ 56.7861, 80.5766,
93.4488

■ 56.7861, 80.5766,
93.4488

■ 53.8787, 79.1258,
91.1441

■ 60.5938, 82.4907,
95.8332

■ 51.7844, 78.0934,
88.9104

■ 65.3721, 84.9044,
98.2963

■ 50.4043, 77.4285,
86.7446

■ 71.1879, 87.8523,
100.8430

■ 49.5818, 77.0502,
84.6390

■ 78.1014, 91.3652,
103.4762

■ 49.5537, 77.0375,
84.5568

■ 86.1679, 95.4717,
106.1986

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



58.3938, 80.5766, 63.9131



56.7861, 80.5766, 93.4488



60.0395, 80.5766, 128.9687

Triad

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



56.7861, 80.5766, 93.4488



89.8819, 80.5766, 149.6532



86.1695, 80.5766, 42.2645

Complementary

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



56.7861, 80.5766, 93.4488



49.4813, 32.3179, 21.4008

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.



95.9226, 80.5766, 56.3841



56.7861, 80.5766, 93.4488



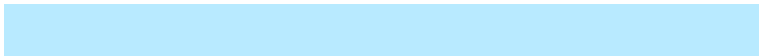
98.2104, 80.5766, 116.8417

Square

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



56.7861, 80.5766, 93.4488



78.5558, 80.5766, 166.1622



100.5233, 80.5766, 82.2575



74.6487, 80.5766, 38.9341

Rectangle

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



56.7861, 80.5766, 93.4488



64.7370, 80.5766, 149.8683



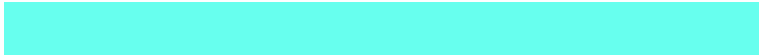
100.5233, 80.5766, 82.2575



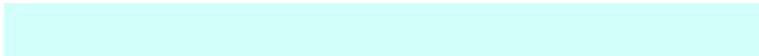
89.7984, 80.5766, 45.6991

Sweetspot

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



56.7871, 80.5771, 93.4503



79.3172, 91.9837, 103.9072



46.0571, 76.5455, 25.1810



16.5101, 19.4507, 22.0736



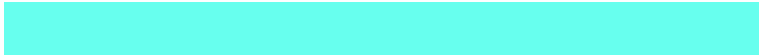
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.7871, 80.5771, 93.4503



53.3065, 78.8422, 90.6027



43.5506, 49.9166, 101.9472



18.4622, 20.4444, 22.7368



25.9280, 40.2678, 44.3675



2.5484, 3.9303, 4.4458

Inverse Universe

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



49.4813, 32.3179, 21.4008



45.4476, 26.5891, 12.8467



56.4807, 47.8238, 19.0877



18.0919, 18.0201, 19.1014



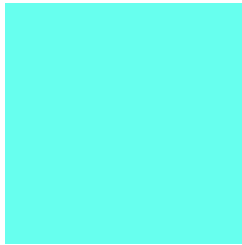
21.6878, 11.1644, 1.7404



2.1372, 1.0972, 0.3039

Previews

White Background



This preview shows how the XYZ color 56.7861, 80.5766, 93.4488 looks on a white background.

Color Contrast Check

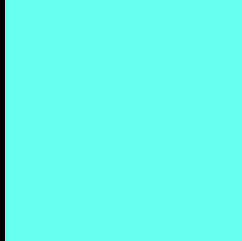
Large Text (above 18pt) WCAG AA × Fail

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 56.7861, 80.5766, 93.4488 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

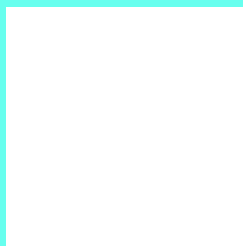
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7861, 80.5766, 93.4488

Background



This preview shows how black text looks on a background with the XYZ color 56.7861, 80.5766, 93.4488.



This preview shows how white text looks on a background with the XYZ color 56.7861, 80.5766,

Color Blindness Simulation

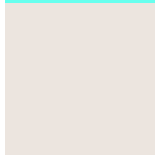
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



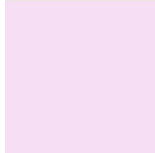
Original Color

56.7861, 80.5766, 93.4488



Protanopia

75.9307, 79.1992, 81.0970



Deuteranopia

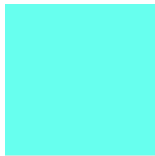
80.8751, 78.9608, 97.3646



Tritanopia

67.2577, 79.7229, 106.4510

Trichromacy



Original Color

56.7861, 80.5766, 93.4488



Protanomaly

65.3172, 77.4419, 84.9040



Deuteranomaly

67.9835, 77.2968, 95.3411



Tritanomaly

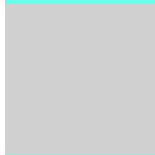
62.5724, 79.6570, 101.7000

Monochromacy



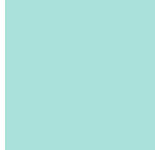
Original Color

56.7861, 80.5766, 93.4488



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.2890, 67.5109, 77.0820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7861, 80.5766, 93.4488 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(103, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 238)  
}
```

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(103, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 56.7861, 80.5766, 93.4488 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(103, 255, 238) }
```


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

```
.border{ border-color:rgb(103, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(103, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7861, 80.5766, 93.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 238) }
```

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

```
.background{ background-color: rgb(103,  
255, 238) }
```

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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