

Converting Colors

XYZ(50.5799, 78.1822, 56.7888)

Have a look what the booklet for
XYZ(50.5799, 78.1822, 56.7888)
contains.

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Color

**XYZ(50.5102, 78.1486,
56.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFFB6
RGB	109, 255, 182
RGB Percent	43%, 100%, 71%
CMY	0.5725, 0.0000, 0.2863
CMYK	0.57, 0.00, 0.29, 0.00
HSL	150°, 100%, 71%
HSV	150°, 57%, 100%
XYZ	50.5102, 78.1486, 56.6780
YIQ	203.0240, -63.5830, -53.6550

Conversions

Conversions Part 2

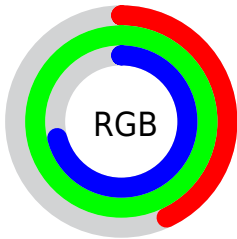
Format	Color
RYB	109, 206, 255
Decimal	7208886
CIELab	90.85, -55.55, 23.34
CIELCh	91, 60.257, 157.215
Yxy	78.1486, 0.2725, 0.4217
Android (android.graphics.Color)	4285398966 (0xFF6DFFB6)
YUV	203.0240, -10.3648, -82.4590
Hunter-Lab	88.4017, -52.7132, 23.8679

Details

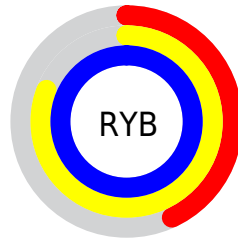
The XYZ color **50.5102, 78.1486, 56.6780** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **55.1526, 35.5755, 48.2165**, and the grayscale version is **56.8716, 59.8334, 65.1586**.

A 20% lighter version of the original color is **67.7702, 86.2391, 93.9629**, and **24.5884, 41.8576, 27.5523** is the 20% darker color. If you saturate the color by 10%, you get **46.5570, 76.2561, 49.9256**, and if you desaturate by 10%, it is **55.4943, 80.5587, 64.1076**.

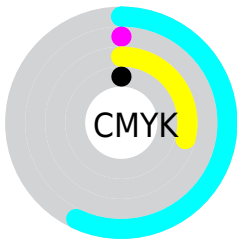
Distribution



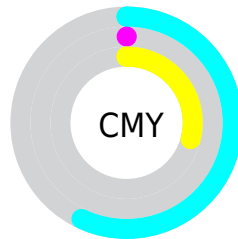
- Red (43%)
- Green (100%)
- Blue (71%)



- Red (43%)
- Yellow (81%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5102, 78.1486, 56.6780 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 50.5102, 78.1486, 56.6780 by changing the saturation by 10% instead.


 50.5102, 78.1486,
56.6780

 50.5102, 78.1486,
56.6780


379.0769,
488.6713, 429.7015


 36.0384, 58.1961,
40.3391


 90.1177, 130.7596,
101.4909

 24.6341, 41.9663,
27.4873


 115.9840,
164.1868, 130.8019

 15.9319, 29.0749,
17.7038


 146.3793,
202.8744, 165.2742

 9.5665, 19.1375,
10.5703

181.6689,
247.2067, 205.3261

 5.1726, 11.7697,
5.6682

222.2181,
297.5682, 251.3762

 2.3847, 6.5870,
2.5789

268.3922,

 0.8375, 3.2052,

354.3432, 303.8432

0.8815

320.5567,
417.9161, 363.1454

0.0000, 1.2398,
0.0000

0.0000, 0.0938,
0.0000

50.5102, 78.1486,
56.6780

50.5102, 78.1486,
56.6780

46.5570, 76.2561,
49.9256

55.4943, 80.5587,
64.1076

43.5485, 74.8370,
43.8258


61.5819, 83.5235,
72.2298


41.3866, 73.8413,
38.3581

68.8410, 87.0777,
81.0647

39.9446, 73.2040,
33.4982

77.3332, 91.2527,
90.6299

 39.6235, 73.0654,
32.2650

 87.1160, 96.0778,
100.9426

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.



58.0032, 78.1486, 34.4131



50.5102, 78.1486, 56.6780



48.9459, 78.1486, 96.0147

Triad

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



50.5102, 78.1486, 56.6780



78.0003, 78.1486, 197.7142



99.9989, 78.1486, 43.9219

Complementary

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



50.5102, 78.1486, 56.6780



55.1526, 35.5755, 48.2165

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.



107.1185, 78.1486, 75.0281



50.5102, 78.1486, 56.6780



93.3433, 78.1486, 170.4094

Square

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



50.5102, 78.1486, 56.6780



63.5497, 78.1486, 187.6209



104.5304, 78.1486, 121.6951



86.1503, 78.1486, 28.9904

Rectangle

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



50.5102, 78.1486, 56.6780



51.2505, 78.1486, 129.2741



104.5304, 78.1486, 121.6951



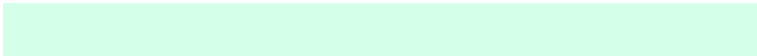
103.3387, 78.1486, 52.3316

Sweetspot

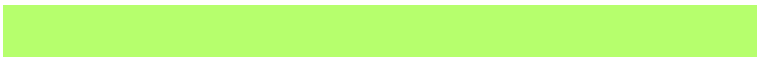
The Sweet Spot groups the original color and five complimentary colors.



50.5109, 78.1489, 56.6793



77.5651, 91.3669, 90.8820



57.8123, 82.5695, 27.3595



16.2137, 19.3651, 19.0276



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.



50.5109, 78.1489, 56.6793



45.9660, 75.9754, 48.8138



60.1171, 81.9914, 107.2652



18.1504, 20.3197, 21.0949



20.7795, 38.2084, 17.2560



2.0783, 3.7423, 1.9704

Inverse Universe

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



55.1526, 35.5755, 48.2165



51.0169, 29.6501, 39.6051



49.4695, 33.3022, 18.2896



18.3882, 18.1386, 20.6613



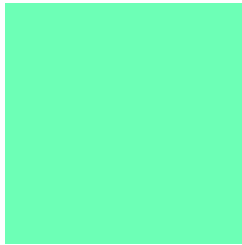
23.6428, 11.9464, 12.0356



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 50.5102, 78.1486, 56.6780 looks on a white background.

Color Contrast Check

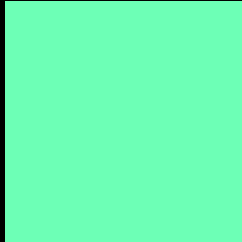
Large Text (above 18pt) WCAG AA × Fail

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 50.5102, 78.1486, 56.6780 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 50.5102, 78.1486, 56.6780

Background



This preview shows how black text looks on a background with the XYZ color 50.5102, 78.1486, 56.6780.



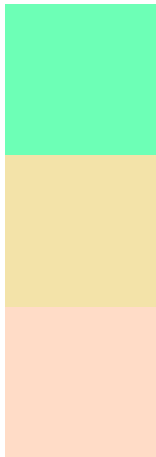
This preview shows how white text looks on a background with the XYZ color 50.5102, 78.1486,

56.6780.

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

50.5102, 78.1486, 56.6780

Protanopia

71.5927, 76.8574, 48.5977

Deuteranopia

77.1420, 76.5699, 64.7465



Tritanopia

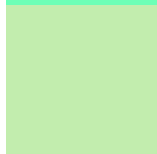
64.7271, 77.5395, 106.1629

Trichromacy



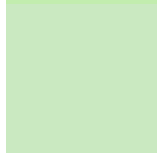
Original Color

50.5102, 78.1486, 56.6780



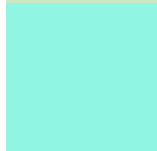
Protanomaly

60.1723, 75.0937, 51.3675



Deuteranomaly

63.1217, 74.6846, 61.5408



Tritanomaly

58.3331, 76.9260, 85.1725

Monochromacy



Original Color

50.5102, 78.1486, 56.6780



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.3338, 64.6177, 61.3439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5102, 78.1486, 56.6780 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(109, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 182)  
}
```

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(109, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 50.5102, 78.1486, 56.6780 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(109, 255, 182) }
```


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

```
.border{ border-color:rgb(109, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 255, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 255, 182); box-shadow:4px 4px 4px 4px rgb(109, 255, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5102, 78.1486, 56.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 182) }
```

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

```
.background{ background-color: rgb(109,  
255, 182) }
```

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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