

Converting Colors

XYZ(51.5762, 78.4795, 66.6073)

Have a look what the booklet for
XYZ(51.5762, 78.4795, 66.6073)
contains.

XYZ(51.5483, 78.4683, 66.4619)	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(51.5483, 78.4683,
66.4619)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFC7
RGB	102, 255, 199
RGB Percent	40%, 100%, 78%
CMY	0.6000, 0.0000, 0.2196
CMYK	0.60, 0.00, 0.22, 0.00
HSL	158°, 100%, 70%
HSV	158°, 60%, 100%
XYZ	51.5483, 78.4683, 66.4619
YIQ	202.8690, -73.2120, -49.8520

Conversions

Conversions Part 2

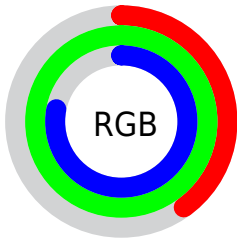
Format	Color
RYB	102, 196, 255
Decimal	6750151
CIELab	90.99, -53.43, 14.82
CIELCh	91, 55.442, 164.501
Yxy	78.4683, 0.2624, 0.3994
Android (android.graphics.Color)	4284940231 (0xFF66FFC7)
YUV	202.8690, -1.9074, -88.4621
Hunter-Lab	88.5823, -51.1454, 17.5233

Details

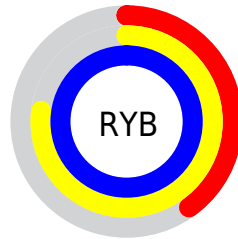
The XYZ color **51.5483, 78.4683, 66.4619** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.1635, 33.2323, 36.0139**, and the grayscale version is **56.7274, 59.6816, 64.9933**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.2151, 42.0480, 33.5752** is the 20% darker color. If you saturate the color by 10%, you get **48.0388, 76.7805, 60.8140**, and if you desaturate by 10%, it is **56.0142, 80.6415, 72.5042**.

Distribution



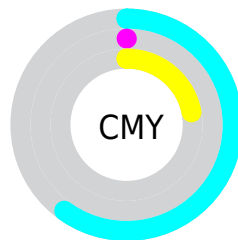
- Red (40%)
- Green (100%)
- Blue (78%)



- Red (40%)
- Yellow (77%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5483, 78.4683, 66.4619 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 51.5483, 78.4683, 66.4619 by changing the saturation by 10% instead.


 51.5483, 78.4683,
66.4619


 51.5483, 78.4683,
66.4619


383.0430,
489.7558, 466.4762


 36.8680, 58.4588,
48.1886


 91.6429, 131.2101,
115.7823

 25.2785, 42.1776,
33.6152


 117.7879,
164.7111, 147.6666

 16.4145, 29.2404,
22.3232


 148.4852,
203.4780, 184.9249

 9.9106, 19.2627,
13.8940

184.1001,
247.8953, 227.9758

 5.4016, 11.8603,
7.9091

224.9979,
298.3474, 277.2378

 2.5219, 6.6486,
3.9499


271.5441,


 0.9063, 3.2433,


355.2185, 333.1296


1.5979


324.1040,
418.8932, 396.0695


 0.0000, 1.2601,
0.2893


 0.0000, 0.1100,
0.0000

 51.5483, 78.4683,
66.4619


 51.5483, 78.4683,
66.4619


 48.0388, 76.7805,
60.8140


 56.0142, 80.6415,
72.5042


 45.3979, 75.5329,
55.5462


 61.5093, 83.3374,
78.9464


 43.5244, 74.6735,
50.6488

 68.1015, 86.5909,
85.7988

 42.2523, 74.1169,
46.1076

 75.8521, 90.4336,
93.0700

 42.2521, 74.1168,
46.1068

 84.8180, 94.8946,
100.7683

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.



57.2722, 78.4683, 41.4304



51.5483, 78.4683, 66.4619



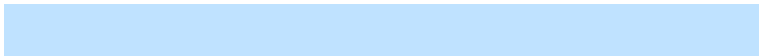
51.4535, 78.4683, 106.2157

Triad

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



51.5483, 78.4683, 66.4619



81.5217, 78.4683, 183.8260



95.4589, 78.4683, 42.0191

Complementary

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



51.5483, 78.4683, 66.4619



52.1635, 33.2323, 36.0139

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.



103.7720, 78.4683, 67.5647



51.5483, 78.4683, 66.4619



95.0687, 78.4683, 153.0031

Square

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



51.5483, 78.4683, 66.4619



67.6222, 78.4683, 183.2475



103.6208, 78.4683, 107.7220



82.0031, 78.4683, 30.6287

Rectangle

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



51.5483, 78.4683, 66.4619



54.5379, 78.4683, 136.9223



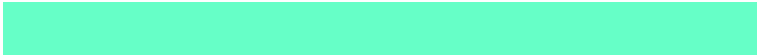
103.6208, 78.4683, 107.7220



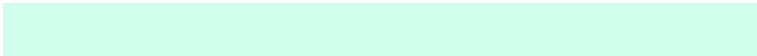
99.0181, 78.4683, 48.8111

Sweetspot

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



51.5491, 78.4687, 66.4633



77.5449, 91.2747, 94.5739



52.2793, 79.7589, 25.2111



16.0736, 19.2761, 19.7752



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

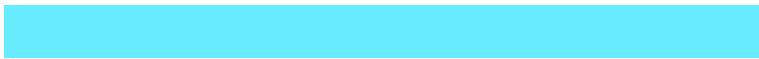
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5491, 78.4687, 66.4633



47.4436, 76.4970, 59.7293



53.1241, 69.2332, 105.1712



18.2562, 20.3620, 21.6523



22.1520, 38.7574, 24.4833



2.2095, 3.7947, 2.6609

Inverse Universe

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



52.1635, 33.2323, 36.0139



48.1497, 27.6699, 27.0759



50.6477, 36.2378, 16.8967



18.2842, 18.0970, 20.1136



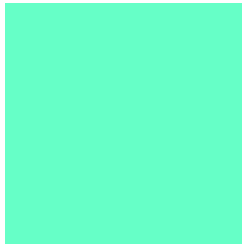
22.6543, 11.5510, 6.8298



2.2561, 1.1448, 0.9303

Previews

White Background



This preview shows how the XYZ color 51.5483, 78.4683, 66.4619 looks on a white background.

Color Contrast Check

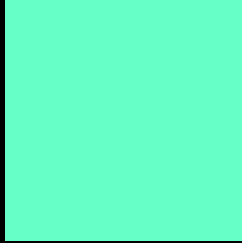
Large Text (above 18pt) WCAG AA × Fail

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 51.5483, 78.4683, 66.4619 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 51.5483, 78.4683, 66.4619

Background



This preview shows how black text looks on a background with the XYZ color 51.5483, 78.4683, 66.4619.

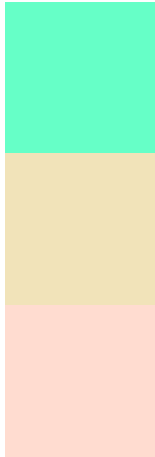


This preview shows how white text looks on a background with the XYZ color 51.5483, 78.4683,

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

51.5483, 78.4683, 66.4619

Protanopia

72.5017, 77.1417, 56.9675

Deuteranopia

78.2184, 77.0005, 70.4145



Tritanopia

64.8151, 78.0231, 106.2516

Trichromacy



Original Color

51.5483, 78.4683, 66.4619



Protanomaly

60.8137, 75.2332, 60.0314



Deuteranomaly

63.7115, 74.8277, 68.8428



Tritanomaly

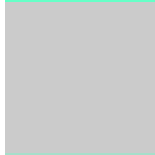
58.9357, 77.5724, 90.4640

Monochromacy



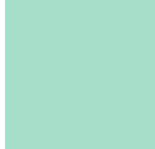
Original Color

51.5483, 78.4683, 66.4619



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.5078, 64.6138, 65.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5483, 78.4683, 66.4619 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(102, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 199)  
}
```

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(102, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 51.5483, 78.4683, 66.4619 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(102, 255, 199) }
```


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

```
.border{ border-color:rgb(102, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5483, 78.4683, 66.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 199) }
```

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

```
.background{ background-color: rgb(102,  
255, 199) }
```

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