

Converting Colors

XYZ(54.8187, 79.8453, 80.5733)

Have a look what the booklet for
XYZ(54.8187, 79.8453, 80.5733)
contains.

XYZ(54.7417, 79.8131, 80.2304)	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(54.7417, 79.8131,
80.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	6BFFDC
RGB	107, 255, 220
RGB Percent	42%, 100%, 86%
CMY	0.5804, 0.0000, 0.1372
CMYK	0.58, 0.00, 0.14, 0.00
HSL	166°, 100%, 71%
HSV	166°, 58%, 100%
XYZ	54.7417, 79.8131, 80.2304
YIQ	206.7580, -76.9730, -42.2610

Conversions

Conversions Part 2

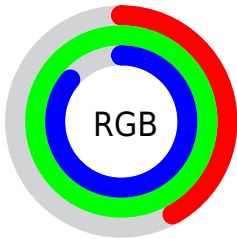
Format	Color
RYB	107, 191, 255
Decimal	7077852
CIELab	91.60, -47.79, 4.88
CIELCh	92, 48.042, 174.176
Yxy	79.8131, 0.2549, 0.3716
Android (android.graphics.Color)	4285267932 (0xFF6BFFDC)
YUV	206.7580, 6.5283, -87.4878
Hunter-Lab	89.3382, -46.9665, 9.2912

Details

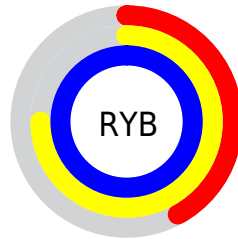
The XYZ color **54.7417, 79.8131, 80.2304** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.3811, 33.7297, 29.3951**, and the grayscale version is **59.1478, 62.2281, 67.7664**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **27.1587, 42.8558, 42.4379** is the 20% darker color. If you saturate the color by 10%, you get **51.3308, 78.1453, 75.9775**, and if you desaturate by 10%, it is **59.0869, 81.9592, 84.6802**.

Distribution



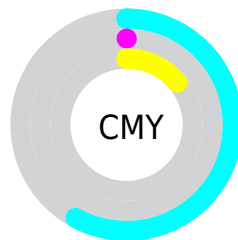
- Red (42%)
- Green (100%)
- Blue (86%)



- Red (42%)
- Yellow (75%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7417, 79.8131, 80.2304 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 54.7417, 79.8131, 80.2304 by changing the saturation by 10% instead.


 54.7417, 79.8131,
80.2304


 54.7417, 79.8131,
80.2304


395.0844,
494.3027, 515.4362


 39.4280, 59.5646,
59.3807


 96.3129, 133.1029,
135.5039

 27.2751, 43.0678,
42.4976


 123.3012,
166.9130, 170.7648

 17.9176, 29.9383,
29.1627


 154.9116,
206.0124, 211.6666

 10.9901, 19.7917,
18.9573

191.5096,
250.7855, 258.6276

 6.1275, 12.2438,
11.4629

233.4605,
301.6167, 312.0666

 2.9641, 6.9099,
6.2610

281.1297,

 1.1348, 3.4058,

358.8904, 372.4020

2.9331

334.8826,
422.9909, 440.0523

■ 0.0540, 1.3471,
1.0606

■ 0.0000, 0.1772,
0.0000

■ 54.7417, 79.8131,
80.2304

■ 54.7417, 79.8131,
80.2304

■ 51.3308, 78.1453,
75.9775

■ 59.0869, 81.9592,
84.6802

■ 48.7692, 76.9121,
71.9118

■ 64.4360, 84.6194,
89.3276

■ 46.9604, 76.0637,
68.0286

■ 70.8552, 87.8279,
94.1785

■ 45.7729, 75.5324,
64.3201

■ 78.4039, 91.6153,
99.2372

■ 45.5761, 75.4464,
63.6108

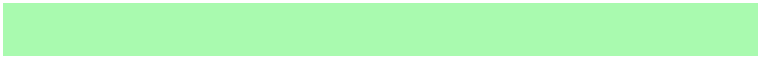
■ 87.1373, 96.0099,
104.5078

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.



58.3064, 79.8131, 53.0742



54.7417, 79.8131, 80.2304



56.3222, 79.8131, 117.5881

Triad

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



54.7417, 79.8131, 80.2304



85.9296, 79.8131, 164.1914



90.5110, 79.8131, 42.8515

Complementary

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



54.7417, 79.8131, 80.2304



51.3811, 33.7297, 29.3951

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.



99.4623, 79.8131, 62.0823



54.7417, 79.8131, 80.2304



96.6241, 79.8131, 132.7102

Square

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



54.7417, 79.8131, 80.2304



73.4929, 79.8131, 172.8566



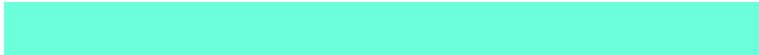
101.8116, 79.8131, 93.9355



78.2773, 79.8131, 35.5555

Rectangle

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



54.7417, 79.8131, 80.2304



60.1778, 79.8131, 142.9512



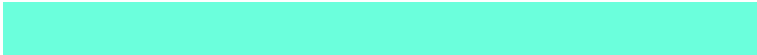
101.8116, 79.8131, 93.9355



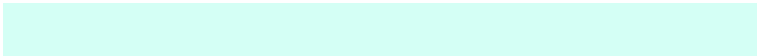
94.0542, 79.8131, 47.8350

Sweetspot

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



54.7426, 79.8136, 80.2318



79.2536, 92.0423, 99.7739



49.9165, 78.5113, 26.4348



16.6137, 19.5250, 21.1336



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.



54.7426, 79.8136, 80.2318



50.7637, 77.8704, 75.1647



49.1859, 60.4897, 103.6911



18.3603, 20.4037, 22.2005



23.8754, 39.4468, 33.5590



2.3669, 3.8577, 3.4897

Inverse Universe

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



51.3811, 33.7297, 29.3951



47.1715, 27.8231, 20.2464



53.8680, 42.2695, 19.2311



18.1854, 18.0575, 19.5934



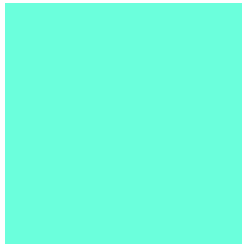
22.0268, 11.3000, 3.5258



2.1849, 1.1163, 0.5551

Previews

White Background



This preview shows how the XYZ color 54.7417, 79.8131, 80.2304 looks on a white background.

Color Contrast Check

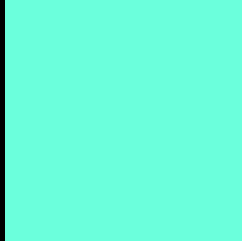
Large Text (above 18pt) WCAG AA × Fail

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 54.7417, 79.8131, 80.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

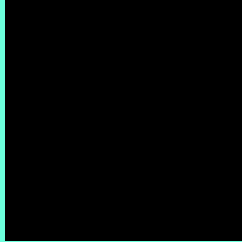
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

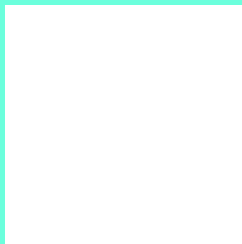
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.7417, 79.8131, 80.2304

Background



This preview shows how black text looks on a background with the XYZ color 54.7417, 79.8131, 80.2304.



This preview shows how white text looks on a background with the XYZ color 54.7417, 79.8131,

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

54.7417, 79.8131, 80.2304

Protanopia

74.4806, 78.2938, 69.5792

Deuteranopia

80.1313, 78.4841, 83.5986



Tritanopia

66.5967, 79.3822, 106.4200

Trichromacy



Original Color

54.7417, 79.8131, 80.2304



Protanomaly

63.8183, 76.9286, 73.1131



Deuteranomaly

66.4306, 76.3696, 81.7605



Tritanomaly

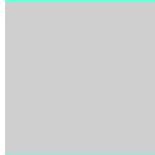
61.5005, 79.2282, 96.0556

Monochromacy



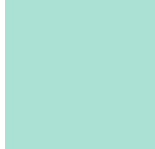
Original Color

54.7417, 79.8131, 80.2304



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.3339, 66.7227, 72.2497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7417, 79.8131, 80.2304 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(107, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 220)  
}
```

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(107, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 54.7417, 79.8131, 80.2304 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(107, 255, 220) }
```


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

```
.border{ border-color:rgb(107, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7417, 79.8131, 80.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 220) }
```

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

```
.background{ background-color: rgb(107,  
255, 220) }
```

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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