

Converting Colors

XYZ(52.1769, 79.0205, 56.1848)

Have a look what the booklet for
XYZ(52.1769, 79.0205, 56.1848)
contains.

XYZ(52.1265, 78.9938, 56.2160)	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(52.1265, 78.9938,
56.2160)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFFB5
RGB	122, 255, 181
RGB Percent	48%, 100%, 71%
CMY	0.5216, 0.0000, 0.2902
CMYK	0.52, 0.00, 0.29, 0.00
HSL	147°, 100%, 74%
HSV	147°, 52%, 100%
XYZ	52.1265, 78.9938, 56.2160
YIQ	206.7970, -55.5140, -51.2100

Conversions

Conversions Part 2

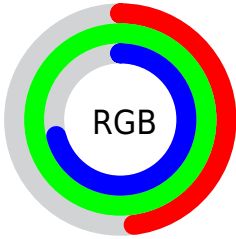
Format	Color
RYB	122, 214, 255
Decimal	8060853
CIELab	91.23, -52.93, 24.44
CIELCh	91, 58.302, 155.221
Yxy	78.9938, 0.2783, 0.4217
Android (android.graphics.Color)	4286250933 (0xFF7AFFB5)
YUV	206.7970, -12.7179, -74.3670
Hunter-Lab	88.8785, -50.8485, 24.7137

Details

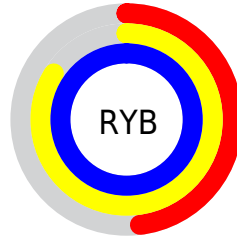
The XYZ color **52.1265, 78.9938, 56.2160** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **58.1636, 39.1651, 56.7186**, and the grayscale version is **59.2823, 62.3696, 67.9205**.

A 20% lighter version of the original color is **70.3375, 87.5795, 93.3181**, and **25.5499, 42.3609, 27.2519** is the 20% darker color. If you saturate the color by 10%, you get **47.5948, 76.8173, 48.7881**, and if you desaturate by 10%, it is **57.7547, 81.7183, 64.4717**.

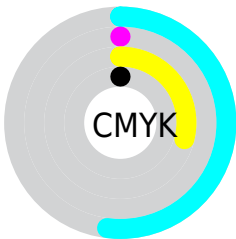
Distribution



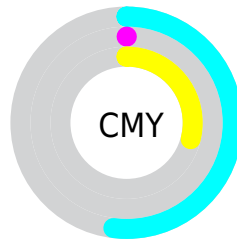
- Red (48%)
- Green (100%)
- Blue (71%)



- Red (48%)
- Yellow (84%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1265, 78.9938, 56.2160 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 52.1265, 78.9938, 56.2160 by changing the saturation by 10% instead.


 52.1265, 78.9938,
56.2160


 52.1265, 78.9938,
56.2160


385.2407,
491.5354, 427.9162

 37.3306, 58.8907,
39.9710


 92.4909, 131.9501,
100.8093

 25.6384, 42.5251,
27.2023


 118.7901,
165.5722, 129.9946

 16.6846, 29.5127,
17.4914


 149.6544,
204.4693, 164.3304

 10.1038, 19.4690,
10.4198

185.4493,
249.0259, 204.2353

 5.5306, 12.0097,
5.5690

226.5400,
299.6265, 250.1278

 2.5997, 6.7503,
2.5203

273.2919,

 0.9458, 3.3064,

356.6553, 302.4264

0.8509

326.0703,
420.4968, 361.5497

■ 0.0000, 1.2937,
0.0000

■ 0.0000, 0.1363,
0.0000

■ 52.1265, 78.9938,
56.2160

■ 52.1265, 78.9938,
56.2160

■ 47.5948, 76.8173,
48.7881

■ 57.7547, 81.7183,
64.4717

■ 44.0777, 75.1473,
42.1574


■ 64.5496, 85.0267,
73.5768


■ 41.4837, 73.9371,
36.2966

■ 72.5770, 88.9524,
83.5569

■ 39.7025, 73.1303,
31.1752

■ 81.8976, 93.5262,
94.4350

 38.7475, 72.7150,
27.6521

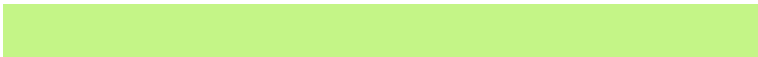
 92.5676, 98.7767,
106.2336

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.



59.8582, 78.9938, 35.1912



52.1265, 78.9938, 56.2160



50.1924, 78.9938, 93.6301

Triad

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



52.1265, 78.9938, 56.2160



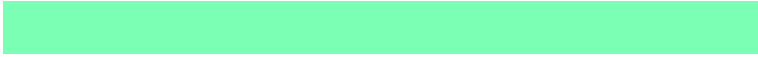
77.6965, 78.9938, 195.1549



100.7660, 78.9938, 47.0995

Complementary

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



52.1265, 78.9938, 56.2160



58.1636, 39.1651, 56.7186

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.



107.0785, 78.9938, 78.8166



52.1265, 78.9938, 56.2160



92.6885, 78.9938, 171.0803

Square

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



52.1265, 78.9938, 56.2160



63.7917, 78.9938, 183.0609



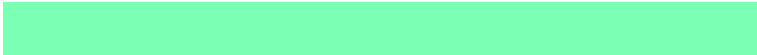
103.9447, 78.9938, 124.8205



87.6299, 78.9938, 31.2660

Rectangle

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



52.1265, 78.9938, 56.2160



52.1992, 78.9938, 125.5516



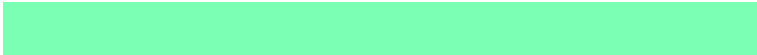
103.9447, 78.9938, 124.8205



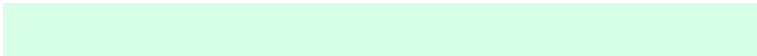
103.8296, 78.9938, 55.7883

Sweetspot

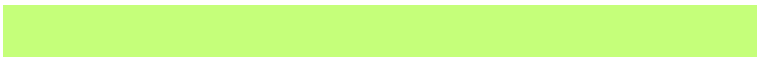
The Sweet Spot groups the original color and five complimentary colors.



52.1271, 78.9940, 56.2173



78.1581, 91.6895, 90.1457



62.3953, 84.8452, 31.5013



16.3177, 19.4235, 18.8151



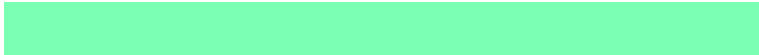
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



52.1271, 78.9940, 56.2173



47.2599, 76.6574, 48.1980



60.4414, 82.3198, 99.9999



18.1064, 20.3021, 20.8632



20.3188, 38.0241, 14.8299



2.0323, 3.7238, 1.7280

Inverse Universe

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



58.1636, 39.1651, 56.7186



53.8977, 32.7773, 48.6867



52.2877, 36.8148, 25.7762



18.4325, 18.1563, 20.8947



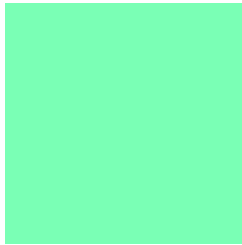
24.1716, 12.1579, 14.8200



2.4085, 1.2058, 1.7327

Previews

White Background



This preview shows how the XYZ color 52.1265, 78.9938, 56.2160 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 52.1265, 78.9938, 56.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

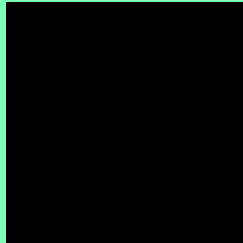
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1265, 78.9938, 56.2160

Background



This preview shows how black text looks on a background with the XYZ color 52.1265, 78.9938, 56.2160.

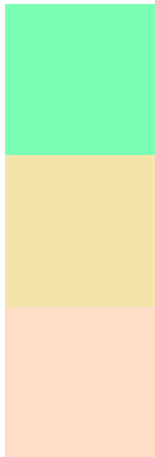


This preview shows how white text looks on a background with the XYZ color 52.1265, 78.9938,

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

52.1265, 78.9938, 56.2160

Protanopia

72.5610, 77.7639, 48.7217

Deuteranopia

77.7866, 77.6727, 65.5361



Tritanopia

66.2233, 78.3108, 106.2329

Trichromacy



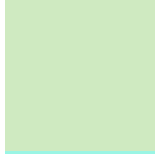
Original Color

52.1265, 78.9938, 56.2160



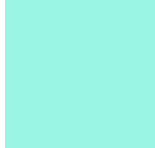
Protanomaly

61.9368, 76.4456, 51.0262



Deuteranomaly

64.7806, 75.9613, 61.6998



Tritanomaly

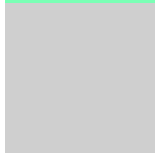
59.9824, 77.7763, 85.2497

Monochromacy



Original Color

52.1265, 78.9938, 56.2160



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.7532, 66.6186, 63.3990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1265, 78.9938, 56.2160 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(122, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 181)  
}
```

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(122, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 52.1265, 78.9938, 56.2160 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(122, 255, 181) }
```


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

```
.border{ border-color:rgb(122, 255, 181) }
```

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

Here you see how a box with a 4 pixel rgb(122, 255, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1265, 78.9938, 56.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 181) }
```

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

```
.background{ background-color: rgb(122,  
255, 181) }
```

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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