

Converting Colors

XYZ(51.4127, 78.2276, 74.1712)

Have a look what the booklet for
XYZ(51.4127, 78.2276, 74.1712)
contains.

XYZ(51.3556, 78.2016, 74.0157)	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(51.3556, 78.2016,
74.0157)**

Conversions

Conversions Part 1

Format	Color
Hex	56FFD3
RGB	86, 255, 211
RGB Percent	34%, 100%, 83%
CMY	0.6627, 0.0000, 0.1725
CMYK	0.66, 0.00, 0.17, 0.00
HSL	164°, 100%, 67%
HSV	164°, 66%, 100%
XYZ	51.3556, 78.2016, 74.0157
YIQ	199.4530, -86.6000, -49.5120

Conversions

Conversions Part 2

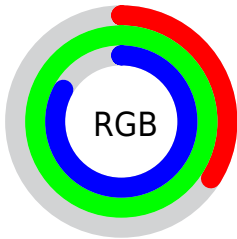
Format	Color
RYB	86, 183, 255
Decimal	5701587
CIELab	90.87, -53.41, 8.41
CIELCh	91, 54.070, 171.054
Yxy	78.2016, 0.2523, 0.3841
Android (android.graphics.Color)	4283891667 (0xFF56FFD3)
YUV	199.4530, 5.6927, -99.4983
Hunter-Lab	88.4317, -51.0937, 12.2775

Details

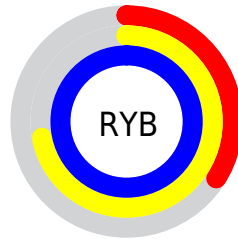
The XYZ color **51.3556, 78.2016, 74.0157** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **48.5978, 29.5283, 24.2586**, and the grayscale version is **54.5684, 57.4102, 62.5197**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **25.9670, 42.3328, 38.2549** is the 20% darker color. If you saturate the color by 10%, you get **48.5969, 76.8736, 69.6321**, and if you desaturate by 10%, it is **54.9873, 79.9756, 78.6223**.

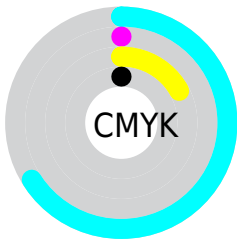
Distribution



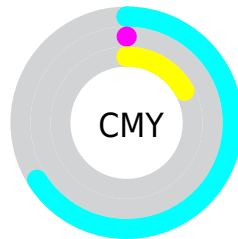
- Red (34%)
- Green (100%)
- Blue (83%)



- Red (34%)
- Yellow (72%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3556, 78.2016, 74.0157 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 51.3556, 78.2016, 74.0157 by changing the saturation by 10% instead.


 51.3556, 78.2016,
74.0157


 51.3556, 78.2016,
74.0157

382.3087,
488.8512, 493.6924


 36.7139, 58.2396,
54.3100


 91.3601, 130.8343,
126.6523

 25.1587, 42.0013,
38.4547


 117.4535,
164.2737, 160.4203

 16.3247, 29.1023,
26.0312


 148.0949,
202.9745, 199.7129

 9.8465, 19.1582,
16.6210

 183.6496,
247.3209, 244.9485

 5.3588, 11.7847,
9.8056

224.4830,
297.6974, 296.5457

 2.4962, 6.5972,
5.1663

270.9604,

 0.8933, 3.2115,

354.4883, 354.9231

2.2847

323.4472,
418.0782, 420.4991

■ 0.0000, 1.2431,
0.7226

■ 0.0000, 0.0965,
0.0000

■ 51.3556, 78.2016,
74.0157

■ 51.3556, 78.2016,
74.0157

■ 48.5969, 76.8736,
69.6321

■ 54.9873, 79.9756,
78.6223

■ 46.6146, 75.9419,
65.4608

■ 59.5701, 82.2359,
83.4537

■ 45.2923, 75.3467,
61.4955

■ 65.1757, 85.0194,
88.5166

■ 44.9030, 75.1772,
60.0666

■ 71.8682, 88.3592,
93.8160

■ 79.7066, 92.2855,
99.3567

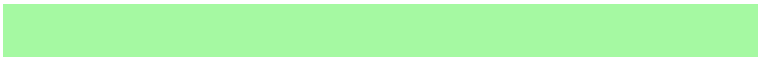
■ 88.7453, 96.8265,
105.1432

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.



55.7742, 78.2016, 46.1873



51.3556, 78.2016, 74.0157



52.4804, 78.2016, 115.0148

Triad

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



51.3556, 78.2016, 74.0157



84.1328, 78.2016, 176.0073



92.0241, 78.2016, 39.1434

Complementary

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



51.3556, 78.2016, 74.0157



48.5978, 29.5283, 24.2586

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.



101.5273, 78.2016, 60.9591



51.3556, 78.2016, 74.0157



96.5987, 78.2016, 141.4911

Square

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



51.3556, 78.2016, 74.0157



70.3320, 78.2016, 182.7313



103.2965, 78.2016, 97.3446



78.4731, 78.2016, 30.4923

Rectangle

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



51.3556, 78.2016, 74.0157



56.2868, 78.2016, 144.4750



103.2965, 78.2016, 97.3446



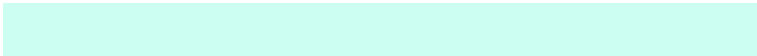
95.8636, 78.2016, 44.7967

Sweetspot

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



51.3564, 78.2020, 74.0171



76.6471, 90.7515, 97.2627



46.8110, 77.0230, 21.2051



15.9351, 19.1889, 20.4851



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.



51.3564, 78.2020, 74.0171



47.7727, 76.4828, 68.0525



46.3336, 58.0894, 103.3781



18.3410, 20.3959, 22.0988



23.5272, 39.3075, 31.7253



2.3355, 3.8451, 3.3246

Inverse Universe

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



48.5978, 29.5283, 24.2586



44.9282, 24.6294, 15.5125



50.3091, 36.7103, 13.2396



18.2035, 18.0647, 19.6886



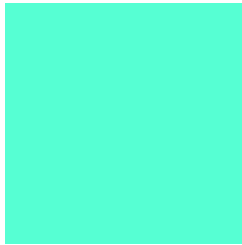
22.1200, 11.3373, 4.0166



2.1962, 1.1208, 0.6145

Previews

White Background



This preview shows how the XYZ color 51.3556, 78.2016, 74.0157 looks on a white background.

Color Contrast Check

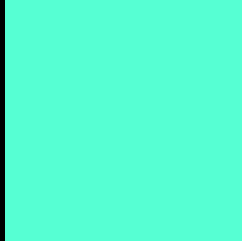
Large Text (above 18pt) WCAG AA × Fail

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 51.3556, 78.2016, 74.0157 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 51.3556, 78.2016, 74.0157

Background



This preview shows how black text looks on a background with the XYZ color 51.3556, 78.2016, 74.0157.

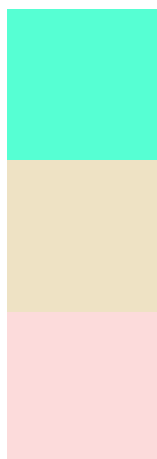


This preview shows how white text looks on a background with the XYZ color 51.3556, 78.2016,

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

51.3556, 78.2016, 74.0157

Protanopia

72.4201, 76.5554, 63.1843

Deuteranopia

78.2626, 76.4730, 77.6537



Tritanopia

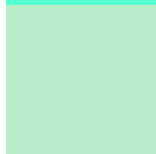
64.0025, 77.6042, 106.2136

Trichromacy



Original Color

51.3556, 78.2016, 74.0157



Protanomaly

60.3552, 74.8527, 66.5253



Deuteranomaly

62.9895, 73.8776, 75.9056



Tritanomaly

58.2086, 77.1301, 93.4810

Monochromacy



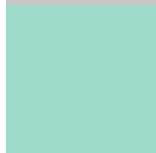
Original Color

51.3556, 78.2016, 74.0157



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.2116, 62.2439, 65.8678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3556, 78.2016, 74.0157 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(86, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(86, 255, 211)  
}
```

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(86, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 211) }
```

Border

The CSS property to change the border of an element to XYZ 51.3556, 78.2016, 74.0157 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(86, 255, 211) }
```


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

```
.border{ border-color:rgb(86, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(86, 255,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3556, 78.2016, 74.0157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 211) }
```

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

```
.background{ background-color: rgb(86, 255,  
211) }
```

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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