Converting Colors

XYZ(50.3479, 78.1743, 51.7309)

Have a look what the booklet for XYZ(50.3479, 78.1743, 51.7309) contains.

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Color

XYZ(50.3731, 78.1820, 51.9709)

Conversions

Conversions Part 1

Format	Color
Hex	73FFAD
RGB	115, 255, 173
RGB Percent	45%, 100%, 68%
CMY	0.5490, 0.0000, 0.3216
CMYK	0.55, 0.00, 0.32, 0.00
HSL	145°, 100%, 73%
HSV	145°, 55%, 100%
XYZ	50.3731, 78.1820, 51.9709
YIQ	203.7920, -57.1180, -55.1820

Conversions

Conversions Part 2

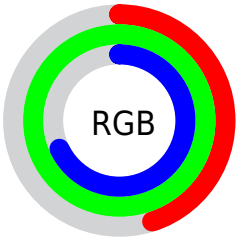
Format	Color
RYB	115, 214, 255
Decimal	7602093
CIELab	90.86, -55.99, 27.94
CIELCh	91, 62.574, 153.475
Yxy	78.1820, 0.2790, 0.4331
Android (android.graphics.Color)	4285792173 (0xFF73FFAD)
YUV	203.7920, -15.1805, -77.8706
Hunter-Lab	88.4206, -53.0448, 27.0456

Details

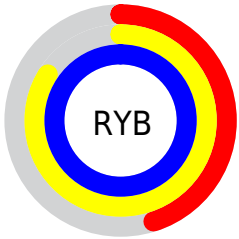
The XYZ color 50.3731, 78.1820, 51.9709 is a light color, and the websafe version is hex 66FF99. A complement of this color would be 57.4491, 37.5533, 57.0441, and the grayscale version is 57.3819, 60.3702, 65.7431.

A 20% lighter version of the original color is 67.8074, 86.4072, 87.2332, and 24.4831, 41.8694, 24.5605 is the 20% darker color. If you saturate the color by 10%, you get 46.1056, 76.1397, 44.6444, and if you desaturate by 10%, it is 55.7306, 80.7674, 60.1944.

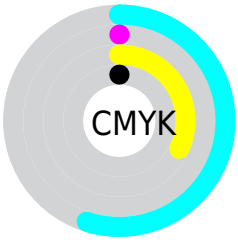
Distribution



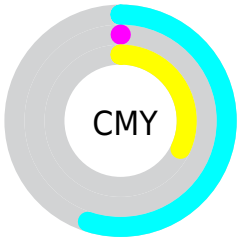
- Red (45%)
- Green (100%)
- Blue (68%)



- Red (45%)
- Yellow (84%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3731, 78.1820, 51.9709 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 50.3731, 78.1820, 51.9709 by changing the saturation by 10% instead.

50.3731, 78.1820, 51.9709

50.3731, 78.1820, 51.9709

378.5511, 488.7847, 411.2780

35.9290, 58.2235, 36.5998

89.9160, 130.8067, 94.5145

24.5492, 41.9884, 24.6044

115.7454, 164.2416, 122.5240

15.8684, 29.0922, 15.5663

146.1006, 202.9375, 155.5835

9.5214, 19.1506, 9.0667

181.3470, 247.2787, 194.1113

5.1426, 11.7791, 4.6873

221.8498, 297.6496, 238.5262

2.3668, 6.5935, 2.0095

267.9746,

0.8285, 3.2092,

354.4347, 289.2466

0.5611

320.0866, 418.0182, 346.6910

0.0000, 1.2419, 0.0000

0.0000, 0.0955, 0.0000

50.3731, 78.1820, 51.9709

50.3731, 78.1820, 51.9709

46.1056, 76.1397, 44.6444

55.7306, 80.7674, 60.1944

42.8424, 74.5972, 38.1795

62.2509, 83.9331, 69.3407

40.4872, 73.5054, 32.5438

70.0025, 87.7136, 79.4398

38.9213, 72.8037, 27.7009

79.0476, 92.1408, 90.5185

38.3431, 72.5532, 25.5222

89.4445, 97.2438, 102.6028

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.

58.8260, 78.1820, 31.3404

50.3731, 78.1820, 51.9709

47.9946, 78.1820, 90.4928

Triad

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

50.3731, 78.1820, 51.9709

76.1604, 78.1820, 204.3639

102.5413, 78.1820, 45.6897

Complementary

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

50.3731, 78.1820, 51.9709

57.4491, 37.5533, 57.0441

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.

108.8226, 78.1820, 79.9774

50.3731, 78.1820, 51.9709

92.2966, 78.1820, 179.9026

Square

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

50.3731, 78.1820, 51.9709

61.5889, 78.1820, 188.6995

104.8333, 78.1820, 130.0325

88.6715, 78.1820, 28.7168

Rectangle

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

50.3731, 78.1820, 51.9709

49.8492, 78.1820, 124.5614

104.8333, 78.1820, 130.0325

105.6926, 78.1820, 55.0406

Sweetspot

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

50.3737, 78.1823, 51.9722

77.9883, 91.6216, 89.2520

62.4082, 84.9001, 29.3186

16.2774, 19.4074, 18.6029

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.

50.3737, 78.1823, 51.9722

45.6994, 75.9466, 43.8922

58.7078, 81.5159, 95.8592

18.0836, 20.2930, 20.7434

20.1052, 37.9387, 13.7050

2.0104, 3.7151, 1.6127

Inverse Universe

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

57.4491, 37.5533, 57.0441

53.4099, 31.5423, 49.3243

51.3337, 35.1072, 24.8405

18.4557, 18.1656, 21.0168

24.4743, 12.2790, 16.4142

2.4374, 1.2173, 1.8848

Previews

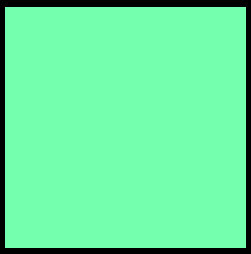
White Background

This preview shows how the XYZ color 50.3731, 78.1820, 51.9709 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



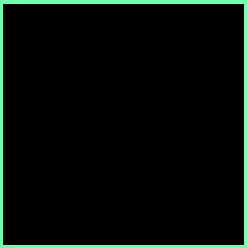
This preview shows how the XYZ color 50.3731, 78.1820, 51.9709 looks on a black background.

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 50.3731, 78.1820, 51.9709 Background



This preview shows how black text looks on a background with the XYZ color 50.3731, 78.1820, 51.9709.

This preview shows how white text looks on a background with the XYZ color 50.3731, 78.1820,

51.9709.

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
50.3731, 78.1820, 51.9709

Protanopia
71.5583, 76.9239, 44.7945

Deuteranopia
76.9468, 76.9130, 62.4199

Tritanopia
65.1464, 77.7557, 106.1825

Trichromacy

Original Color
50.3731, 78.1820, 51.9709

Protanomaly
60.3644, 75.2908, 46.9483

Deuteranomaly
63.0104, 74.7031, 58.1118

Tritanomaly
58.4558, 77.0370, 83.0228

Monochromacy

Original Color
50.3731, 78.1820, 51.9709

Achromatopsia
57.3938, 60.3827, 65.7568

Achromatomaly
53.0266, 65.3963, 60.2800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3731, 78.1820, 51.9709 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(115, 255, 173) looks like.

```
.text, #text, p{
    color:rgb(115, 255, 173)
}
```

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(115, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 173) }
```

Border

The CSS property to change the border of an element to XYZ 50.3731, 78.1820, 51.9709 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(115, 255, 173) }
```

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

```
.border{ border-color:rgb(115, 255, 173) }
```

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

Here you see how a box with a 4 pixel rgb(115, 255, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 255, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 255, 173); box-shadow:4px 4px 4px 4px rgb(115, 255, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3731, 78.1820, 51.9709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(115, 255, 173) }
```

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

```
.background{ background-color:rgb(115,
255, 173) }
```

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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