

Converting Colors

XYZ(51.8341, 47.8515, 85.8187)

Have a look what the booklet for
XYZ(51.8341, 47.8515, 85.8187)
contains.

XYZ(51.7055, 47.6632, 85.8316)	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(51.7055, 47.6632,
85.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAFEC
RGB	190, 175, 236
RGB Percent	75%, 69%, 93%
CMY	0.2549, 0.3137, 0.0745
CMYK	0.19, 0.26, 0.00, 0.07
HSL	255°, 62%, 81%
HSV	255°, 26%, 93%
XYZ	51.7055, 47.6632, 85.8316
YIQ	186.4390, -10.6410, 22.1510

Conversions

Conversions Part 2

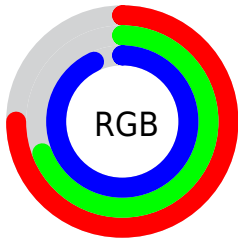
Format	Color
R _Y B	190, 175, 236
Decimal	12496876
CIE Lab	74.61, 17.60, -28.53
CIE LCh	75, 33.516, 301.669
Yxy	47.6632, 0.2792, 0.2574
Android (android.graphics.Color)	4290686956 (0xFFBEAFEC)
YUV	186.4390, 24.4336, 3.1230
Hunter-Lab	69.0385, 12.8678, -25.3848

Details

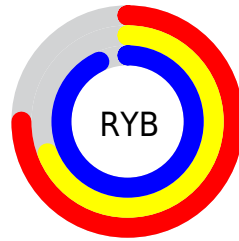
The XYZ color **51.7055, 47.6632, 85.8316** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **67.5535, 78.4593, 52.1432**, and the grayscale version is **46.7910, 49.2278, 53.6091**.

A 20% lighter version of the original color is **84.9837, 84.1460, 106.3704**, and **25.4745, 22.6954, 46.2180** is the 20% darker color. If you saturate the color by 10%, you get **43.3306, 37.1135, 84.2375**, and if you desaturate by 10%, it is **61.4290, 60.1019, 87.7208**.

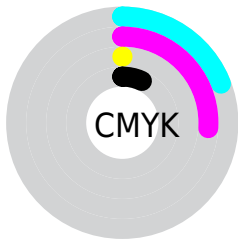
Distribution



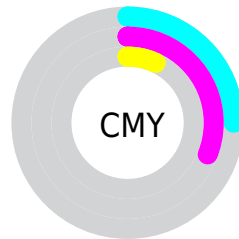
- Red (75%)
- Green (69%)
- Blue (93%)



- Red (75%)
- Yellow (69%)
- Blue (93%)



- Cyan (19%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)





- Cyan (25%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7055, 47.6632, 85.8316 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 51.7055, 47.6632, 85.8316 by changing the saturation by 10% instead.


 51.7055, 47.6632,
85.8316

 51.7055, 47.6632,
85.8316


383.6413,
377.4556, 534.5920

 36.9937, 33.5602,
63.9746


 91.8736, 86.7027,
143.4189

 25.3763, 22.5560,
46.1841


118.0606,
112.4081, 179.9864

 16.4878, 14.2660,
32.0414


148.8033,
142.7497, 222.2944

 9.9630, 8.3059,
21.1280

184.4672,
178.1120, 270.7615

 5.4365, 4.2913,
13.0255

225.4176,
218.8793, 325.8063

 2.5430, 1.8378,
7.3152

272.0199,

 0.9170, 0.5106,

265.4361, 387.8473

3.5785

324.6393,
318.1667, 457.3030

■ 0.0000, 0.0000,
1.3971

■ 0.0000, 0.0000,
0.1395

■ 51.7055, 47.6632,
85.8316

■ 51.7055, 47.6632,
85.8316

■ 43.3306, 37.1135,
84.2375

■ 61.4290, 60.1019,
87.7208

■ 36.2384, 28.3536,
82.9205

■ 72.5537, 74.5109,
89.9157

■ 30.3643, 21.2834,
81.8654

■ 85.1349, 90.9735,
92.4302

■ 25.6358, 15.7911,
81.0545

■ 92.1405, 98.8362,
93.5786

■ 21.9725, 11.7505,
80.4676

■ 19.2823, 9.0155,
80.0815

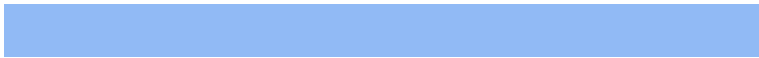
■ 17.4550, 7.4073,
79.8674

■ 16.8872, 6.9566,
79.8104

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.6429, 47.6632, 92.9559



51.7055, 47.6632, 85.8316



56.3632, 47.6632, 69.4170

Triad

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



51.7055, 47.6632, 85.8316



51.0657, 47.6632, 27.6991



34.6160, 47.6632, 52.8759

Complementary

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



51.7055, 47.6632, 85.8316



67.5535, 78.4593, 52.1432

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.



35.7925, 47.6632, 37.6049



51.7055, 47.6632, 85.8316



44.9637, 47.6632, 25.1578

Square

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



51.7055, 47.6632, 85.8316



55.9713, 47.6632, 36.2621



39.4511, 47.6632, 28.3440



36.0836, 47.6632, 71.4824

Rectangle

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



51.7055, 47.6632, 85.8316



57.8497, 47.6632, 56.8889



39.4511, 47.6632, 28.3440



34.7148, 47.6632, 47.2063

Sweetspot

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



51.7071, 47.6651, 85.8327



83.4489, 84.8660, 106.5903



58.8803, 67.2902, 89.2426



17.4213, 17.5934, 22.7276



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.



51.7071, 47.6651, 85.8327



56.1715, 49.9049, 101.2798



59.9063, 51.8920, 86.2164



14.5781, 14.7278, 18.9966



9.4068, 3.8853, 43.9971



0.8238, 0.3490, 3.4588

Inverse Universe

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



62.9746, 53.7151, 75.4572



71.8323, 58.3218, 86.4951



59.2878, 74.1982, 51.7563



15.5473, 15.2468, 18.1674



23.5496, 11.6225, 24.4932



1.8868, 0.9277, 2.1214

Previews

White Background



This preview shows how the XYZ color 51.7055, 47.6632, 85.8316 looks on a white background.

Color Contrast Check

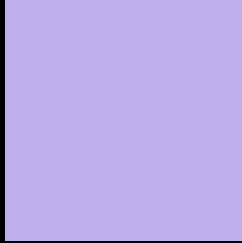
Large Text (above 18pt) WCAG AA × Fail

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 51.7055, 47.6632, 85.8316 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 51.7055, 47.6632, 85.8316

Background



This preview shows how black text looks on a background with the XYZ color 51.7055, 47.6632, 85.8316.



This preview shows how white text looks on a background with the XYZ color 51.7055, 47.6632,

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

51.7055, 47.6632, 85.8316

Protanopia

48.5495, 47.7235, 89.8718

Deuteranopia

48.7722, 47.6393, 85.2220



Tritanopia

46.3344, 47.5544, 59.5602

Trichromacy



Original Color

51.7055, 47.6632, 85.8316

Protanomaly

49.6046, 47.7023, 88.2544

Deuteranomaly

49.7382, 47.5422, 85.1523

Tritanomaly

48.1277, 47.3825, 68.2371

Monochromacy



Original Color

51.7055, 47.6632, 85.8316

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.1205, 48.3803, 63.9289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7055, 47.6632, 85.8316 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(190, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(190, 175, 236)  
}
```

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(190, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 175, 236) }
```

Border

The CSS property to change the border of an element to XYZ 51.7055, 47.6632, 85.8316 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(190, 175, 236) }
```


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

```
.border{ border-color:rgb(190, 175, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(190, 175,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7055, 47.6632, 85.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 175, 236) }
```

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

```
.background{ background-color: rgb(190,  
175, 236) }
```

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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