

Converting Colors

XYZ(41.9041, 58.4711, 46.2645)

Have a look what the booklet for
XYZ(41.9041, 58.4711, 46.2645)
contains.

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Color

**XYZ(41.7595, 58.3155,
46.1008)**

Conversions

Conversions Part 1

Format	Color
Hex	83DBA8
RGB	131, 219, 168
RGB Percent	51%, 86%, 66%
CMY	0.4863, 0.1412, 0.3412
CMYK	0.40, 0.00, 0.23, 0.14
HSL	145°, 55%, 69%
HSV	145°, 40%, 86%
XYZ	41.7595, 58.3155, 46.1008
YIQ	186.8740, -36.0770, -34.5170

Conversions

Conversions Part 2

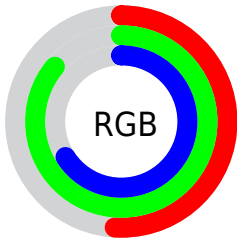
Format	Color
RYB	131, 193, 219
Decimal	8641448
CIELab	80.91, -37.62, 16.91
CIElCh	81, 41.249, 155.794
Yxy	58.3155, 0.2857, 0.3989
Android (android.graphics.Color)	4286831528 (0xFF83DBA8)
YUV	186.8740, -9.3049, -49.0015
Hunter-Lab	76.3646, -36.0264, 17.6622

Details

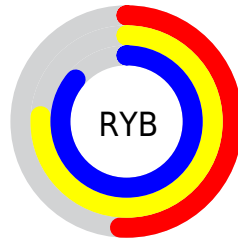
The XYZ color **41.7595, 58.3155, 46.1008** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.7752, 34.6715, 48.5380**, and the grayscale version is **47.2297, 49.6893, 54.1117**.

A 20% lighter version of the original color is **69.5728, 87.4125, 83.0175**, and **19.2301, 28.9918, 21.1055** is the 20% darker color. If you saturate the color by 10%, you get **37.5942, 56.2998, 40.0322**, and if you desaturate by 10%, it is **46.7602, 60.7517, 52.8136**.

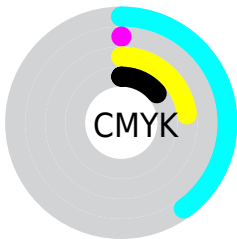
Distribution



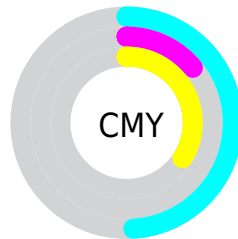
- Red (51%)
- Green (86%)
- Blue (66%)



- Red (51%)
- Yellow (76%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7595, 58.3155, 46.1008 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 41.7595, 58.3155, 46.1008 by changing the saturation by 10% instead.


 41.7595, 58.3155,
46.1008


 41.7595, 58.3155,
46.1008


344.4936,
418.3605, 387.5031


 29.1033, 42.0623,
31.9761


 77.1030, 102.3822,
85.7057

 19.3037, 29.1501,
21.0786

 100.5209,
130.9644, 112.0230

 11.9952, 19.1944,
12.9897


 128.2569,
164.4252, 143.2416

 6.8126, 11.8108,
7.2908

160.6762,
203.1489, 179.7801

 3.3905, 6.6150,
3.5634

198.1441,
247.5199, 222.0569

 1.3635, 3.2225,
1.3890

241.0261,

 0.2300, 1.2490,

297.9226, 270.4907

0.1331

289.6875,
354.7413, 325.4999

■ 0.0000, 0.1012,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7595, 58.3155,
46.1008

■ 41.7595, 58.3155,
46.1008

■ 37.5942, 56.2998,
40.0322

■ 46.7602, 60.7517,
52.8136

■ 34.2108, 54.6727,
34.5844

■ 52.6365, 63.6239,
60.1851


■ 31.5567, 53.4090,
29.7381


■ 59.4312, 66.9556,
68.2346


■ 29.5703, 52.4773,
25.4717


■ 67.1832, 70.7664,
76.9790

 28.1787, 51.8406,
21.7618

 75.9288, 75.0747,
86.4349

 27.2678, 51.4393,
18.6348

 82.9256, 78.4664,
96.4881

 84.6226, 79.1452,
105.4242

Harmonies

Analogous

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



46.3677, 58.3155, 32.4810



41.7595, 58.3155, 46.1008



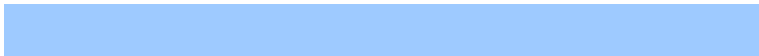
40.6438, 58.3155, 68.3625

Triad

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



41.7595, 58.3155, 46.1008



57.1014, 58.3155, 122.7107



69.8406, 58.3155, 39.7721

Complementary

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



41.7595, 58.3155, 46.1008



45.7752, 34.6715, 48.5380

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.



73.4202, 58.3155, 58.8655



41.7595, 58.3155, 46.1008



65.5959, 58.3155, 109.7853

Square

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



41.7595, 58.3155, 46.1008



48.9638, 58.3155, 116.7675



71.7923, 58.3155, 84.7936



62.4356, 58.3155, 29.5380

Rectangle

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



41.7595, 58.3155, 46.1008



41.9190, 58.3155, 86.2348



71.7923, 58.3155, 84.7936



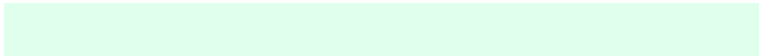
71.5640, 58.3155, 45.1527

Sweetspot

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



41.7611, 58.3179, 46.1021



81.9495, 93.5612, 94.0642



48.8005, 62.2901, 30.9246



17.2611, 19.8888, 19.8066



0.0000, 0.0000, 0.0000



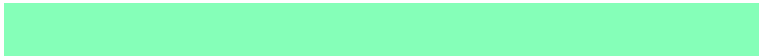
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7611, 58.3179, 46.1021



54.0281, 79.9373, 57.9634



46.5352, 60.2275, 71.2422



13.1125, 14.6966, 15.0554



16.2198, 30.5206, 11.3229



1.0932, 1.9942, 0.9568

Inverse Universe

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



45.7752, 34.6715, 48.5380



60.4166, 42.2632, 61.8100



41.9430, 33.1386, 28.3581



13.3708, 13.1774, 15.2141



19.6465, 9.8596, 13.0503



1.3155, 0.6558, 1.0702

Previews

White Background



This preview shows how the XYZ color 41.7595, 58.3155, 46.1008 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 41.7595, 58.3155, 46.1008 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 41.7595, 58.3155, 46.1008

Background



This preview shows how black text looks on a background with the XYZ color 41.7595, 58.3155, 46.1008.



This preview shows how white text looks on a background with the XYZ color 41.7595, 58.3155,

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

41.7595, 58.3155, 46.1008

Protanopia

53.8328, 57.3471, 41.0327

Deuteranopia

58.8027, 57.4133, 48.0270



Tritanopia

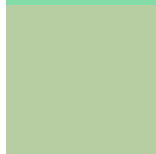
48.9749, 58.2097, 82.0531

Trichromacy



Original Color

41.7595, 58.3155, 46.1008



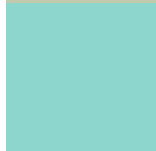
Protanomaly

48.1213, 56.8185, 42.6132



Deuteranomaly

50.5592, 56.5571, 47.2816



Tritanomaly

46.0024, 58.1248, 67.1871

Monochromacy



Original Color

41.7595, 58.3155, 46.1008



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.5980, 52.3576, 50.9355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7595, 58.3155, 46.1008 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(131, 219, 168)` looks like.

```
.text, #text, p{  
    color:rgb(131, 219, 168)  
}
```

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(131, 219, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 219, 168) }
```

Border

The CSS property to change the border of an element to XYZ 41.7595, 58.3155, 46.1008 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(131, 219, 168) }
```


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

```
.border{ border-color:rgb(131, 219, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 219, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 219, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 219, 168); box-shadow:4px 4px 4px 4px rgb(131, 219, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7595, 58.3155, 46.1008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 219, 168) }
```

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

```
.background{ background-color: rgb(131,  
219, 168) }
```

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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