

Converting Colors

XYZ(41.9586, 48.5075, 46.2775)

Have a look what the booklet for
XYZ(41.9586, 48.5075, 46.2775)
contains.

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Color

**XYZ(41.8031, 48.3472,
46.1584)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BFAC
RGB	166, 191, 172
RGB Percent	65%, 75%, 67%
CMY	0.3490, 0.2510, 0.3255
CMYK	0.13, 0.00, 0.10, 0.25
HSL	134°, 16%, 70%
HSV	134°, 13%, 75%
XYZ	41.8031, 48.3472, 46.1584
YIQ	181.3590, -8.8010, -11.2090

Conversions

Conversions Part 2

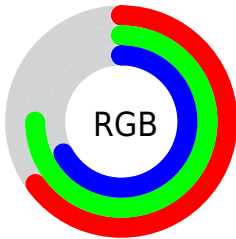
Format	Color
R_{YB}	166, 186, 191
Decimal	10928044
CIE Lab	75.04, -12.19, 6.73
CIE LCh	75, 13.921, 151.095
Yxy	48.3472, 0.3067, 0.3547
Android (android.graphics.Color)	4289118124 (0xFFA6BFAC)
YUV	181.3590, -4.6140, -13.4698
Hunter-Lab	69.5322, -14.3661, 9.3133

Details

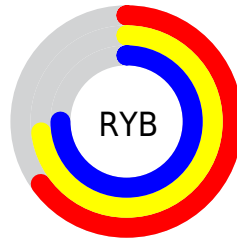
The XYZ color **41.8031, 48.3472, 46.1584** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8808, 41.8528, 51.6669**, and the grayscale version is **44.1440, 46.4430, 50.5764**.

A 20% lighter version of the original color is **76.9447, 87.4397, 85.4952**, and **19.4181, 23.1104, 21.2066** is the 20% darker color. If you saturate the color by 10%, you get **36.7739, 45.9083, 39.0387**, and if you desaturate by 10%, it is **47.5820, 51.1577, 54.1103**.

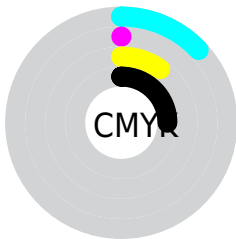
Distribution



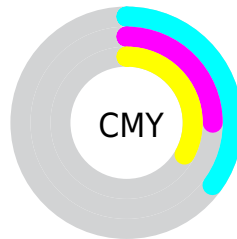
- Red (65%)
- Green (75%)
- Blue (67%)



- Red (65%)
- Yellow (73%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (35%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8031, 48.3472, 46.1584 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 41.8031, 48.3472, 46.1584 by changing the saturation by 10% instead.


 41.8031, 48.3472,
46.1584


 41.8031, 48.3472,
46.1584


344.6716,
380.1667, 387.7412

 29.1376, 34.1019,
32.0213


 77.1686, 87.7211,
85.7928

 19.3297, 22.9719,
21.1128

 100.5992,
113.6186, 112.1271

 12.0142, 14.5728,
13.0144


128.3490,
144.1688, 143.3643

 6.8256, 8.5201,
7.3076

160.7832,
179.7564, 179.9228

 3.3986, 4.4295,
3.5739

198.2672,
220.7655, 222.2212

 1.3679, 1.9166,
1.3946

241.1664,

 0.2332, 0.5583,

267.5807, 270.6780

0.1375

289.8460,
320.5863, 325.7118

■ 0.0000, 0.0000,
0.0000

■ 41.8031, 48.3472,
46.1584

■ 41.8031, 48.3472,
46.1584

■ 36.7739, 45.9083,
39.0387

■ 47.5820, 51.1577,
54.1103

■ 32.4593, 43.8194,
32.7211

■ 54.1358, 54.3482,
62.9169

■ 28.8276, 42.0661,
27.1783

■ 61.4933, 57.9343,
72.6037

■ 25.8429, 40.6306,
22.3805

■ 69.6807, 61.9292,
83.1943

■ 23.4659, 39.4931,
18.2955

■ 76.2899, 65.0908,
94.5974

■ 21.6529, 38.6320,
14.8892

■ 77.9218, 65.7435,
103.1906

■ 20.3544, 38.0225,
12.1244

■ 19.5112, 37.6348,
9.9603

■ 19.1217, 37.4595,
8.7905

Harmonies

Analogous

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



43.4729, 48.3472, 41.5367



41.8031, 48.3472, 46.1584



41.2346, 48.3472, 52.9100

Triad

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



41.8031, 48.3472, 46.1584



46.0461, 48.3472, 67.9229



50.2686, 48.3472, 45.7349

Complementary

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



41.8031, 48.3472, 46.1584



43.8808, 41.8528, 51.6669

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.



51.0174, 48.3472, 52.3746



41.8031, 48.3472, 46.1584



48.5247, 48.3472, 65.5685

Square

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



41.8031, 48.3472, 46.1584



43.6291, 48.3472, 65.8789



50.3679, 48.3472, 59.7057



48.3570, 48.3472, 41.3085

Rectangle

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



41.8031, 48.3472, 46.1584



41.5394, 48.3472, 57.8453



50.3679, 48.3472, 59.7057



50.6677, 48.3472, 47.7603

Sweetspot

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



41.8044, 48.3493, 46.1595



84.1484, 91.1001, 95.4550



45.5635, 50.3522, 43.3945



18.2967, 19.9165, 20.7135



92.9021, 97.7402, 106.4391



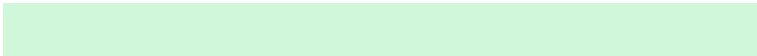
19.4759, 20.4902, 22.3138

Same Dimension

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



41.8044, 48.3493, 46.1595



71.8765, 85.1369, 78.4756



43.0450, 48.8455, 52.6922



9.5001, 10.6862, 10.6172



12.5928, 24.6274, 5.9186



0.5198, 0.9753, 0.3717

Inverse Universe

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



43.8808, 41.8528, 51.6669



76.3931, 71.0039, 90.4542



42.6342, 41.3541, 45.1024



9.8294, 9.6561, 11.4906



17.5201, 8.6392, 18.5642



0.7103, 0.3480, 0.8539

Previews

White Background



This preview shows how the XYZ color 41.8031, 48.3472, 46.1584 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 41.8031, 48.3472, 46.1584 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 41.8031, 48.3472, 46.1584

Background



This preview shows how black text looks on a background with the XYZ color 41.8031, 48.3472, 46.1584.



This preview shows how white text looks on a background with the XYZ color 41.8031, 48.3472,

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

41.8031, 48.3472, 46.1584

Protanopia

45.9466, 48.3146, 43.9498

Deuteranopia

49.1119, 48.0577, 47.2450



Tritanopia

45.2256, 48.4628, 62.8477

Trichromacy



Original Color

41.8031, 48.3472, 46.1584

Protanomaly

44.4602, 48.4725, 44.5489

Deuteranomaly

46.0593, 47.9993, 46.8816

Tritanomaly

43.7494, 48.1630, 56.2808

Monochromacy



Original Color

41.8031, 48.3472, 46.1584

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.2893, 47.1424, 48.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8031, 48.3472, 46.1584 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(166, 191, 172)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 172)  
}
```

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(166, 191, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 172) }
```

Border

The CSS property to change the border of an element to XYZ 41.8031, 48.3472, 46.1584 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(166, 191, 172) }
```


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

```
.border{ border-color:rgb(166, 191, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 172);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8031, 48.3472, 46.1584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 172) }
```

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

```
.background{ background-color: rgb(166,  
191, 172) }
```

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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