

Converting Colors

XYZ(41.8442, 49.7063, 46.3189)

Have a look what the booklet for
XYZ(41.8442, 49.7063, 46.3189)
contains.

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Color

**XYZ(41.8618, 49.6902,
46.4145)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C3AC
RGB	162, 195, 172
RGB Percent	64%, 76%, 67%
CMY	0.3647, 0.2353, 0.3255
CMYK	0.17, 0.00, 0.12, 0.24
HSL	138°, 22%, 70%
HSV	138°, 17%, 76%
XYZ	41.8618, 49.6902, 46.4145
YIQ	182.5110, -12.2850, -14.1490

Conversions

Conversions Part 2

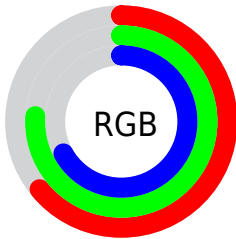
Format	Color
RYB	162, 187, 195
Decimal	10666924
CIELab	75.88, -15.61, 7.89
CIELCh	76, 17.491, 153.180
Yxy	49.6902, 0.3034, 0.3602
Android (android.graphics.Color)	4288857004 (0xFFA2C3AC)
YUV	182.5110, -5.1819, -17.9881
Hunter-Lab	70.4913, -17.3561, 10.3048

Details

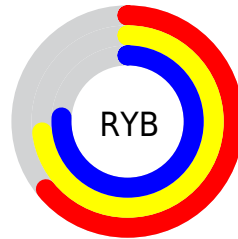
The XYZ color **41.8618, 49.6902, 46.4145** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1848, 40.9468, 51.4760**, and the grayscale version is **44.7755, 47.1073, 51.2998**.

A 20% lighter version of the original color is **77.2908, 89.9186, 85.9554**, and **19.3454, 23.7208, 21.3283** is the 20% darker color. If you saturate the color by 10%, you get **36.9644, 47.3101, 39.7165**, and if you desaturate by 10%, it is **47.5097, 52.4446, 53.8467**.

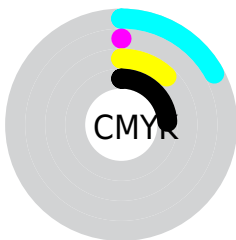
Distribution



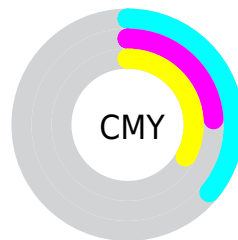
- Red (64%)
- Green (76%)
- Blue (67%)



- Red (64%)
- Yellow (73%)
- Blue (76%)



- Cyan (17%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)





- Cyan (36%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8618, 49.6902, 46.4145 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 41.8618, 49.6902, 46.4145 by changing the saturation by 10% instead.


 41.8618, 49.6902,
46.4145


 41.8618, 49.6902,
46.4145


344.9111,
385.4532, 388.7985

 29.1837, 35.1673,
32.2220


 77.2569, 89.7157,
86.1798

 19.3648, 23.7918,
21.2649

 100.7046,
115.9871, 112.5897

 12.0398, 15.1792,
13.1247


128.4730,
146.9434, 143.9091

 6.8432, 8.9453,
7.3827

160.9273,
182.9691, 180.5567

 3.4097, 4.7055,
3.6205

198.4329,
224.4485, 222.9508

 1.3739, 2.0755,
1.4196

241.3551,

 0.2375, 0.6508,

271.7661, 271.5101

0.1569

290.0594,
325.3062, 326.6532

■ 0.0000, 0.0000,
0.0000

■ 41.8618, 49.6902,
46.4145

■ 41.8618, 49.6902,
46.4145

■ 36.9644, 47.3101,
39.7165

■ 47.5097, 52.4446,
53.8467

■ 32.7813, 45.2819,
33.7271

■ 53.9343, 55.5821,
62.0312

■ 29.2792, 43.5902,
28.4239

■ 61.1655, 59.1191,
70.9895

■ 26.4205, 42.2163,
23.7820

■ 69.2303, 63.0692,
80.7414

■ 24.1639, 41.1393,
19.7753

■ 76.4783, 66.5810,
91.2273

■ 22.4630, 40.3359,
16.3756

■ 78.5737, 67.4192,
102.2617

■ 21.2640, 39.7791,
13.5527

■ 78.8061, 67.5122,
103.4854

■ 20.4959, 39.4328,
11.2730

■ 20.3078, 39.3488,
10.6744

Harmonies

Analogous

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



43.8865, 49.6902, 40.4483



41.8618, 49.6902, 46.4145



41.2526, 49.6902, 55.1045

Triad

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



41.8618, 49.6902, 46.4145



47.5771, 49.6902, 74.0430



52.6623, 49.6902, 44.8770

Complementary

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



41.8618, 49.6902, 46.4145



44.1848, 40.9468, 51.4760

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.



53.7566, 49.6902, 53.1160



41.8618, 49.6902, 46.4145



50.7371, 49.6902, 70.5322

Square

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



41.8618, 49.6902, 46.4145



44.4616, 49.6902, 71.7253



53.0365, 49.6902, 62.5995



50.1090, 49.6902, 39.6349

Rectangle

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



41.8618, 49.6902, 46.4145



41.7070, 49.6902, 61.4695



53.0365, 49.6902, 62.5995



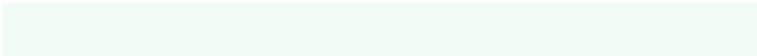
53.2182, 49.6902, 47.3521

Sweetspot

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



41.8632, 49.6923, 46.4156



87.1049, 94.9094, 99.0398



46.0703, 51.9680, 41.7857



18.9023, 20.6999, 21.4662



0.0000, 0.0000, 0.0000



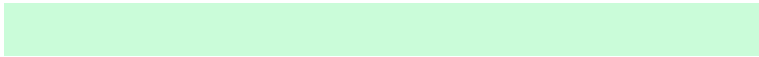
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8632, 49.6923, 46.4156



71.8563, 87.4780, 78.9200



43.5373, 50.3620, 55.2316



10.0673, 11.3080, 11.3576



13.2314, 25.5866, 7.1116



0.6031, 1.1181, 0.4725

Inverse Universe

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



44.1848, 40.9468, 51.4760



76.7274, 69.1251, 89.5351



42.5515, 40.2934, 42.8752



10.3631, 10.1938, 12.0026



17.5506, 8.7100, 16.0772



0.7877, 0.3881, 0.8495

Previews

White Background



This preview shows how the XYZ color 41.8618, 49.6902, 46.4145 looks on a white background.

Color Contrast Check

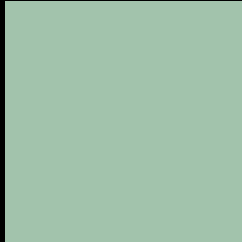
Large Text (above 18pt) WCAG AA × Fail

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 41.8618, 49.6902, 46.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

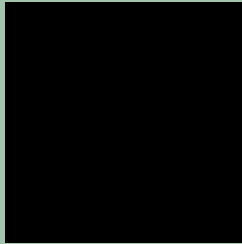
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8618, 49.6902, 46.4145

Background



This preview shows how black text looks on a background with the XYZ color 41.8618, 49.6902, 46.4145.



This preview shows how white text looks on a background with the XYZ color 41.8618, 49.6902,

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

41.8618, 49.6902, 46.4145

Protanopia

46.7821, 49.3772, 43.6243

Deuteranopia

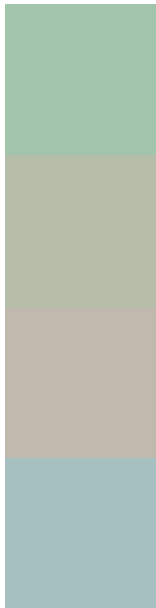
50.3536, 49.2930, 47.4180



Tritanopia

45.5813, 49.5595, 64.9212

Trichromacy



Original Color

41.8618, 49.6902, 46.4145

Protanomaly

44.6504, 49.2048, 44.6803

Deuteranomaly

46.7272, 48.9604, 47.0319

Tritanomaly

44.2012, 49.6565, 57.7071

Monochromacy



Original Color

41.8618, 49.6902, 46.4145

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.5862, 47.9093, 49.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8618, 49.6902, 46.4145 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(162, 195, 172)` looks like.

```
.text, #text, p{  
    color:rgb(162, 195, 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(162, 195, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 195, 172) }
```

Border

The CSS property to change the border of an element to XYZ 41.8618, 49.6902, 46.4145 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(162, 195, 172) }
```


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

```
.border{ border-color:rgb(162, 195, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 195, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 195, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 195, 172);  
box-shadow:4px 4px 4px 4px rgb(162, 195,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8618, 49.6902, 46.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 195, 172) }
```

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

```
.background{ background-color: rgb(162,  
195, 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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