

Converting Colors

XYZ(41.9560, 48.3068, 67.9888)

Have a look what the booklet for
XYZ(41.9560, 48.3068, 67.9888)
contains.

XYZ(41.9841, 48.2817, 68.0793)	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(41.9841, 48.2817,
68.0793)**

Conversions

Conversions Part 1

Format	Color
Hex	90C0D2
RGB	144, 192, 210
RGB Percent	56%, 75%, 82%
CMY	0.4353, 0.2470, 0.1765
CMYK	0.31, 0.09, 0.00, 0.18
HSL	196°, 42%, 69%
HSV	196°, 31%, 82%
XYZ	41.9841, 48.2817, 68.0793
YIQ	179.7000, -34.3860, -4.5780

Conversions

Conversions Part 2

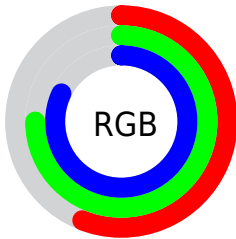
Format	Color
RYB	144, 172, 210
Decimal	9486546
CIELab	75.00, -11.46, -14.12
CIELCh	75, 18.186, 230.934
Yxy	48.2817, 0.2651, 0.3049
Android (android.graphics.Color)	4287676626 (0xFF90C0D2)
YUV	179.7000, 14.9379, -31.3089
Hunter-Lab	69.4850, -13.7459, -9.4510

Details

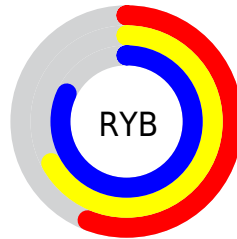
The XYZ color **41.9841, 48.2817, 68.0793** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5334, 41.5565, 32.0608**, and the grayscale version is **43.1585, 45.4061, 49.4473**.

A 20% lighter version of the original color is **75.1706, 86.4969, 107.3414**, and **19.5478, 23.0897, 34.8790** is the 20% darker color. If you saturate the color by 10%, you get **37.4191, 44.0990, 67.5134**, and if you desaturate by 10%, it is **47.2832, 52.9179, 68.6957**.

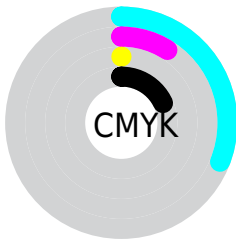
Distribution



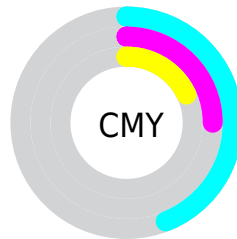
- Red (56%)
- Green (75%)
- Blue (82%)



- Red (56%)
- Yellow (67%)
- Blue (82%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)



- Cyan (44%)
- Magenta (25%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9841, 48.2817, 68.0793 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 41.9841, 48.2817, 68.0793 by changing the saturation by 10% instead.

■ 41.9841, 48.2817,
68.0793

■ 41.9841, 48.2817,
68.0793

345.4098,
379.9076, 472.3826

■ 29.2799, 34.0500,
49.4952

■ 77.4409, 87.6237,
118.1209

■ 19.4380, 22.9320,
34.6441

■ 100.9242,
113.5028, 150.4154

■ 12.0931, 14.5433,
23.1075

128.7312,
144.0331, 188.1171

■ 6.8797, 8.4995,
14.4668

161.2273,
179.5991, 231.6445

■ 3.4327, 4.4162,
8.3036

198.7778,
220.5852, 281.4163

■ 1.3865, 1.9090,
4.1993

241.7482,

■ 0.2466, 0.5538,

267.3757, 337.8508

1.7353

290.5037,
320.3551, 401.3668

■ 0.0000, 0.0000,
0.3848

■ 0.0000, 0.0000,
0.0000

■ 41.9841, 48.2817,
68.0793

■ 41.9841, 48.2817,
68.0793

■ 37.4191, 44.0990,
67.5134

■ 47.2832, 52.9179,
68.6957

■ 33.5454, 40.3432,
66.9926

■ 53.3476, 58.0208,
69.3610

■ 30.3222, 36.9939,
66.5160

■ 60.2117, 63.6103,
70.0781

■ 27.7026, 34.0259,
66.0812

■ 67.9067, 69.7031,
70.8486

■ 25.6328, 31.4105,
65.6855

■ 76.4620, 76.3152,
71.6739

■ 24.0486, 29.1140,
65.3257

■ 80.1685, 80.5041,
72.2871

■ 22.9808, 27.3487,
65.0412

■ 81.7552, 83.6775,
72.8160

■ 83.3944, 86.9560,
73.3625

■ 85.0867, 90.3406,
73.9265

Harmonies

Analogous

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



40.1831, 48.2817, 59.3762



41.9841, 48.2817, 68.0793



44.8919, 48.2817, 72.7674

Triad

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



41.9841, 48.2817, 68.0793



52.4865, 48.2817, 55.5039



43.6473, 48.2817, 37.2787

Complementary

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



41.9841, 48.2817, 68.0793



44.5334, 41.5565, 32.0608

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.



46.9034, 48.2817, 36.5061



41.9841, 48.2817, 68.0793



52.1138, 48.2817, 46.3059

Square

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



41.9841, 48.2817, 68.0793



51.0267, 48.2817, 64.9530



50.0316, 48.2817, 39.6164



41.1107, 48.2817, 41.8712

Rectangle

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



41.9841, 48.2817, 68.0793



47.1117, 48.2817, 72.6390



50.0316, 48.2817, 39.6164



44.6902, 48.2817, 36.5874

Sweetspot

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



41.9856, 48.2836, 68.0804



85.1408, 91.9759, 107.8735



41.0353, 54.6179, 42.3770



17.9018, 19.4217, 23.0552



0.0000, 0.0000, 0.0000



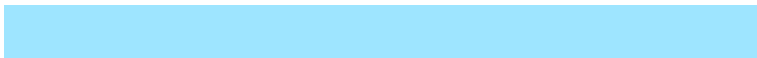
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9856, 48.2836, 68.0804



60.0722, 70.3032, 105.0115



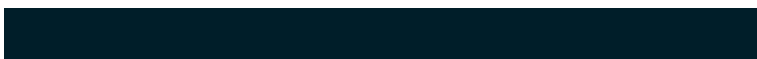
35.6026, 35.5178, 65.9528



11.8744, 12.8391, 15.0960



14.1052, 16.8570, 39.7028



0.8528, 1.0708, 2.2413

Inverse Universe

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



46.0673, 37.4552, 54.6728



67.5675, 51.3813, 80.1747



51.0390, 54.5675, 34.2293



12.1675, 11.9517, 14.1578



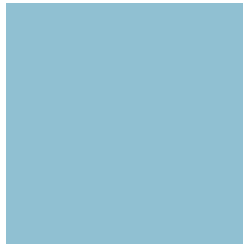
19.7504, 9.7730, 19.3895



1.1367, 0.5594, 1.2546

Previews

White Background



This preview shows how the XYZ color 41.9841, 48.2817, 68.0793 looks on a white background.

Color Contrast Check

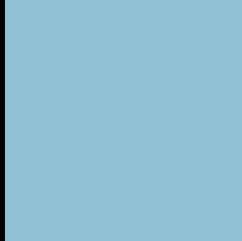
Large Text (above 18pt) WCAG AA × Fail

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 41.9841, 48.2817, 68.0793 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

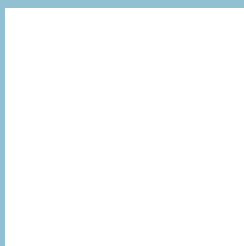
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9841, 48.2817, 68.0793

Background



This preview shows how black text looks on a background with the XYZ color 41.9841, 48.2817, 68.0793.



This preview shows how white text looks on a background with the XYZ color 41.9841, 48.2817,

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

41.9841, 48.2817, 68.0793

Protanopia

46.8886, 48.0504, 63.9301

Deuteranopia

49.0705, 48.1380, 69.6561



Tritanopia

41.5625, 48.0930, 66.7668

Trichromacy



Original Color

41.9841, 48.2817, 68.0793

Protanomaly

44.8479, 47.8989, 65.2742

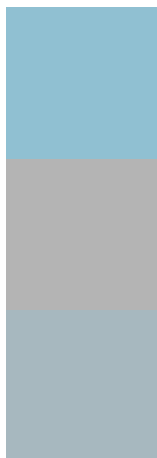
Deuteranomaly

46.0374, 47.8051, 69.0882

Tritanomaly

41.6860, 48.1424, 67.4169

Monochromacy



Original Color

41.9841, 48.2817, 68.0793

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.4808, 46.2581, 55.9799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9841, 48.2817, 68.0793 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(144, 192, 210)` looks like.

```
.text, #text, p{  
    color:rgb(144, 192, 210)  
}
```

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(144, 192, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 192, 210) }
```

Border

The CSS property to change the border of an element to XYZ 41.9841, 48.2817, 68.0793 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(144, 192, 210) }
```


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

```
.border{ border-color:rgb(144, 192, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 192, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 192, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 192, 210);  
box-shadow:4px 4px 4px 4px rgb(144, 192,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9841, 48.2817, 68.0793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 192, 210) }
```

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

```
.background{ background-color: rgb(144,  
192, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor