

Converting Colors

XYZ(41.8118, 46.1158, 60.1168)

Have a look what the booklet for
XYZ(41.8118, 46.1158, 60.1168)
contains.

XYZ(41.8401, 46.1461, 60.1280)	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(41.8401, 46.1461,
60.1280)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB9C6
RGB	159, 185, 198
RGB Percent	62%, 73%, 78%
CMY	0.3765, 0.2745, 0.2235
CMYK	0.20, 0.07, 0.00, 0.22
HSL	200°, 25%, 70%
HSV	200°, 20%, 78%
XYZ	41.8401, 46.1461, 60.1280
YIQ	178.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

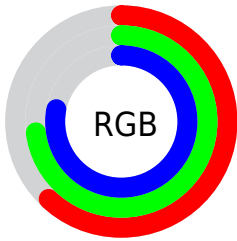
Format	Color
RYB	159, 175, 198
Decimal	10467782
CIELab	73.64, -6.03, -9.53
CIELCh	74, 11.278, 237.701
Yxy	46.1461, 0.2825, 0.3116
Android (android.graphics.Color)	4288657862 (0xFF9FB9C6)
YUV	178.7080, 9.5110, -17.2839
Hunter-Lab	67.9309, -8.9372, -4.9280

Details

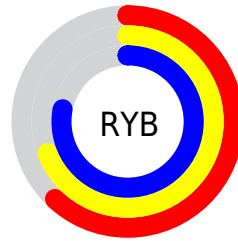
The XYZ color **41.8401, 46.1461, 60.1280** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2997, 44.0141, 38.9626**, and the grayscale version is **42.6520, 44.8732, 48.8669**.

A 20% lighter version of the original color is **77.2369, 84.4267, 106.8329**, and **19.3487, 21.6419, 29.5431** is the 20% darker color. If you saturate the color by 10%, you get **36.8755, 41.5859, 59.5102**, and if you desaturate by 10%, it is **47.5005, 51.1625, 60.7987**.

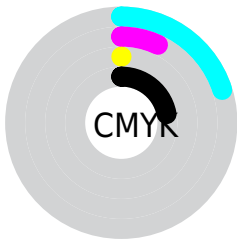
Distribution



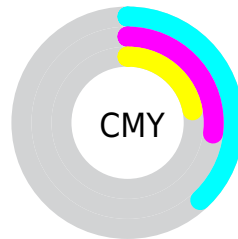
- Red (62%)
- Green (73%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8401, 46.1461, 60.1280 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 41.8401, 46.1461, 60.1280 by changing the saturation by 10% instead.

■ 41.8401, 46.1461,
60.1280

■ 41.8401, 46.1461,
60.1280

344.8226,
371.3957, 442.8871

■ 29.1667, 32.3611,
43.0958

■ 77.2242, 84.4376,
106.5605

■ 19.3519, 21.6375,
29.6284

■ 100.6657,
109.7129, 136.7980

■ 12.0303, 13.5908,
19.3070

128.4271,
139.5872, 172.2742

■ 6.8367, 7.8366,
11.7133

160.8740,
174.4447, 213.4079

■ 3.4056, 3.9906,
6.4286

198.3716,
214.6699, 260.6175

■ 1.3717, 1.6683,
3.0344

241.2854,

■ 0.2359, 0.4030,

260.6472, 314.3215

1.1122

289.9806,
312.7610, 374.9386

■ 0.0000, 0.0000,
0.0000

■ 41.8401, 46.1461,
60.1280

■ 41.8401, 46.1461,
60.1280

■ 36.8755, 41.5859,
59.5102

■ 47.5005, 51.1625,
60.7987

■ 32.5719, 37.4591,
58.9405

■ 53.8812, 56.6455,
61.5207

■ 28.8973, 33.7491,
58.4180

■ 61.0108, 62.6121,
62.2966

■ 25.8157, 30.4360,
57.9410

■ 68.9148, 69.0767,
63.1278

■ 23.2866, 27.4976,
57.5071

■ 76.5041, 75.4791,
63.9636

■ 21.2644, 24.9090,
57.1140

■ 78.2496, 78.9701,
64.5454

■ 19.6953, 22.6411,
56.7590

■ 80.0640, 82.5988,
65.1502

■ 18.4809, 20.6416,
56.4370

■ 81.9480, 86.3669,
65.7782

■ 18.4462, 20.5833,
56.4276

■ 83.9024, 90.2757,
66.4297

Harmonies

Analogous

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



40.5471, 46.1461, 55.5338



41.8401, 46.1461, 60.1280



43.7066, 46.1461, 62.0566

Triad

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



41.8401, 46.1461, 60.1280



47.8111, 46.1461, 50.6878



42.0992, 46.1461, 41.1222

Complementary

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



41.8401, 46.1461, 60.1280



44.2997, 44.0141, 38.9626

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.



44.0147, 46.1461, 40.0366



41.8401, 46.1461, 60.1280



47.3496, 46.1461, 45.3036

Square

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



41.8401, 46.1461, 60.1280



47.1876, 46.1461, 56.3548



45.9449, 46.1461, 41.5095



40.6935, 46.1461, 44.5940

Rectangle

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



41.8401, 46.1461, 60.1280



45.0386, 46.1461, 61.4692



45.9449, 46.1461, 41.5095



42.7031, 46.1461, 40.4782

Sweetspot

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



41.8415, 46.1480, 60.1290



88.0382, 94.0025, 108.1119



41.8772, 50.7136, 46.2857



18.6867, 19.9847, 23.1225



0.0000, 0.0000, 0.0000



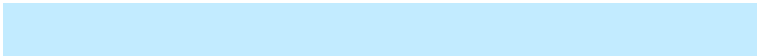
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8415, 46.1480, 60.1290



69.8418, 77.8529, 105.9538



38.1555, 38.7761, 58.9004



10.6374, 11.4489, 13.5667



12.0772, 13.5483, 36.7229



0.6364, 0.7707, 1.7604

Inverse Universe

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



44.4449, 40.3059, 51.3384



75.4255, 65.7299, 87.0092



48.1457, 51.7061, 40.2446



10.9270, 10.7542, 12.5989



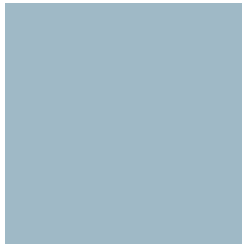
17.8953, 8.9077, 15.1906



0.8799, 0.4348, 0.8910

Previews

White Background



This preview shows how the XYZ color 41.8401, 46.1461, 60.1280 looks on a white background.

Color Contrast Check

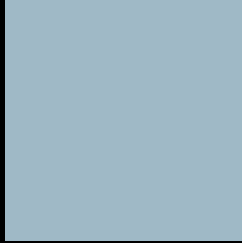
Large Text (above 18pt) WCAG AA × Fail

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 41.8401, 46.1461, 60.1280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

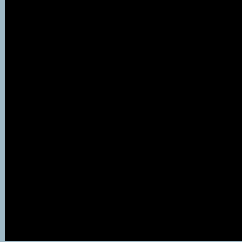
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8401, 46.1461, 60.1280

Background



This preview shows how black text looks on a background with the XYZ color 41.8401, 46.1461, 60.1280.



This preview shows how white text looks on a background with the XYZ color 41.8401, 46.1461,

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

41.8401, 46.1461, 60.1280

Protanopia

44.7928, 45.8836, 58.1253

Deuteranopia

46.9369, 46.0396, 61.0563



Tritanopia

41.9558, 46.1924, 60.7375

Trichromacy



Original Color

41.8401, 46.1461, 60.1280

Protanomaly

43.5009, 45.8039, 58.7728

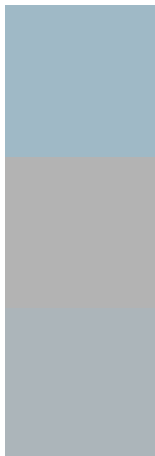
Deuteranomaly

44.7890, 45.8287, 60.5180

Tritanomaly

41.9558, 46.1924, 60.7375

Monochromacy



Original Color

41.8401, 46.1461, 60.1280

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.4001, 45.3636, 52.9757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8401, 46.1461, 60.1280 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(159, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(159, 185, 198)  
}
```

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(159, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 185, 198) }
```

Border

The CSS property to change the border of an element to XYZ 41.8401, 46.1461, 60.1280 is called "border". The border property can be set on classes, ids or directly on the HTML element.

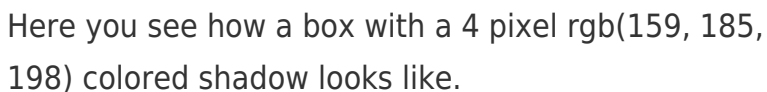
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 185, 198) }
```


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

```
.border{ border-color:rgb(159, 185, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 185, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 185, 198); box-shadow:4px 4px 4px 4px rgb(159, 185, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8401, 46.1461, 60.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 185, 198) }
```

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

```
.background{ background-color: rgb(159,  
185, 198) }
```

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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