

Converting Colors

XYZ(41.1854, 50.2693, 40.6175)

Have a look what the booklet for
XYZ(41.1854, 50.2693, 40.6175)
contains.

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Color

**XYZ(41.2117, 50.1520,
40.7659)**

Conversions

Conversions Part 1

Format	Color
Hex	A2C5A0
RGB	162, 197, 160
RGB Percent	64%, 77%, 63%
CMY	0.3647, 0.2274, 0.3725
CMYK	0.18, 0.00, 0.19, 0.23
HSL	117°, 24%, 70%
HSV	117°, 19%, 77%
XYZ	41.2117, 50.1520, 40.7659
YIQ	182.3170, -8.9830, -18.9270

Conversions

Conversions Part 2

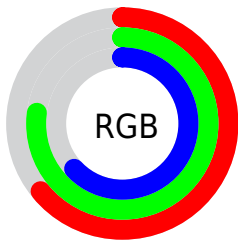
Format	Color
RYB	160, 197, 195
Decimal	10667424
CIELab	76.16, -18.81, 14.75
CIELCh	76, 23.907, 141.895
Yxy	50.1520, 0.3119, 0.3796
Android (android.graphics.Color)	4288857504 (0xFFA2C5A0)
YUV	182.3170, -11.0023, -17.8180
Hunter-Lab	70.8181, -20.0558, 15.4428

Details

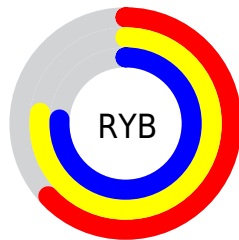
The XYZ color **41.2117, 50.1520, 40.7659** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.1567, 40.7764, 58.3166**, and the grayscale version is **44.6990, 47.0268, 51.2122**.

A 20% lighter version of the original color is **76.3228, 90.5416, 77.7436**, and **18.9596, 24.0426, 17.8288** is the 20% darker color. If you saturate the color by 10%, you get **36.1141, 47.7091, 32.2329**, and if you desaturate by 10%, it is **47.1462, 52.9976, 50.7657**.

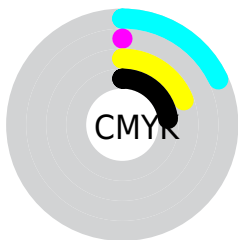
Distribution



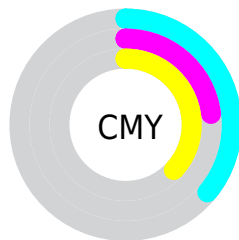
- Red (64%)
- Green (77%)
- Blue (63%)



- Red (63%)
- Yellow (77%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)



- Cyan (36%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2117, 50.1520, 40.7659 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 41.2117, 50.1520, 40.7659 by changing the saturation by 10% instead.

■ 41.2117, 50.1520,
40.7659

■ 41.2117, 50.1520,
40.7659

342.2521,
387.2601, 364.9889

■ 28.6729, 35.5342,
27.8179

■ 76.2778, 90.4000,
77.5782

■ 18.9766, 24.0747,
17.9506

■ 99.5359, 116.7991,
102.2796

■ 11.7573, 15.3890,
10.7454

127.0978,
147.8939, 131.7358

■ 6.6496, 9.0929,
5.7839

159.3289,
184.0691, 166.3654

■ 3.2883, 4.8018,
2.6475

196.5945,
225.7089, 206.5870

■ 1.3080, 2.1314,
0.9168

239.2600,

■ 0.1892, 0.6822,

273.1977, 252.8191

0.0000

287.6908,
326.9200, 305.4802

■ 0.0000, 0.0000,
0.0000

■ 41.2117, 50.1520,
40.7659

■ 41.2117, 50.1520,
40.7659

■ 36.1141, 47.7091,
32.2329

■ 47.1462, 52.9976,
50.7657

■ 31.8119, 45.6448,
25.0947

■ 53.9486, 56.2563,
62.2933

■ 28.2662, 43.9420,
19.2782

■ 61.6532, 59.9458,
75.4101

■ 25.4332, 42.5799,
14.7022

■ 70.2915, 64.0812,
90.1733

■ 23.2646, 41.5355,
11.2767

■ 79.2573, 68.4145,
103.6358

■ 21.7061, 40.7831,
8.8996

■ 20.6948, 40.2927,
7.4506

■ 20.1451, 40.0247,
6.7326

■ 20.1006, 40.0033,
6.6620

Harmonies

Analogous

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



44.5302, 50.1520, 34.7820



41.2117, 50.1520, 40.7659



39.6455, 50.1520, 51.2055

Triad

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



41.2117, 50.1520, 40.7659



46.4650, 50.1520, 82.8224



56.1073, 50.1520, 45.9219

Complementary

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



41.2117, 50.1520, 40.7659



45.1567, 40.7764, 58.3166

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.



56.7056, 50.1520, 58.1559



41.2117, 50.1520, 40.7659



50.9498, 50.1520, 80.8169

Square

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



41.2117, 50.1520, 40.7659



42.5520, 50.1520, 76.3878



54.7656, 50.1520, 71.2723



53.1783, 50.1520, 37.4182

Rectangle

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



41.2117, 50.1520, 40.7659



39.7330, 50.1520, 59.8465



54.7656, 50.1520, 71.2723



56.5947, 50.1520, 49.6826

Sweetspot

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



41.2130, 50.1541, 40.7670



87.5579, 96.4110, 96.1990



48.7841, 53.2324, 40.9621



18.5740, 20.5559, 20.3080



0.0000, 0.0000, 0.0000



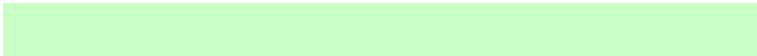
20.3446, 21.4041, 23.3091

Same Dimension

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



41.2130, 50.1541, 40.7670



69.4548, 87.7347, 65.7075



42.3049, 50.5443, 48.6194



10.5496, 11.9148, 11.3065



13.2431, 26.3224, 4.3827



0.6460, 1.2561, 0.2084

Inverse Universe

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



45.1567, 40.7764, 58.3166



77.9527, 67.5219, 103.5322



43.9356, 40.3481, 49.1722



11.0243, 10.7863, 13.4184



20.0281, 9.5591, 35.5339



0.9660, 0.4618, 1.6834

Previews

White Background



This preview shows how the XYZ color 41.2117, 50.1520, 40.7659 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 41.2117, 50.1520, 40.7659 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

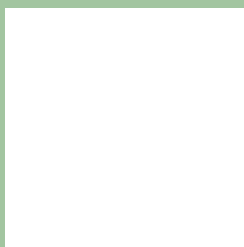
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.2117, 50.1520, 40.7659

Background



This preview shows how black text looks on a background with the XYZ color 41.2117, 50.1520, 40.7659.



This preview shows how white text looks on a background with the XYZ color 41.2117, 50.1520,

40.7659.

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

41.2117, 50.1520, 40.7659

Protanopia

46.9754, 49.9130, 38.1686

Deuteranopia

50.6637, 49.5830, 41.5505



Tritanopia

46.3489, 50.2639, 65.6516

Trichromacy



Original Color

41.2117, 50.1520, 40.7659

Protanomaly

44.7242, 50.0102, 39.1940

Deuteranomaly

46.5862, 49.3285, 41.2484

Tritanomaly

44.1916, 50.0295, 55.4716

Monochromacy



Original Color

41.2117, 50.1520, 40.7659

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.0895, 47.7106, 46.9824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2117, 50.1520, 40.7659 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, 197, 160)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 160)  
}
```

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, 197, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 160) }
```

Border

The CSS property to change the border of an element to XYZ 41.2117, 50.1520, 40.7659 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, 197, 160) }
```


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

```
.border{ border-color:rgb(162, 197, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 197, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 160);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2117, 50.1520, 40.7659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 160) }
```

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

```
.background{ background-color: rgb(162,  
197, 160) }
```

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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