

Converting Colors

XYZ(41.3152, 51.2981, 22.1920)

Have a look what the booklet for
XYZ(41.3152, 51.2981, 22.1920)
contains.

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Color

**XYZ(41.3152, 51.2981,
22.1920)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C76D
RGB	177, 199, 109
RGB Percent	69%, 78%, 43%
CMY	0.3059, 0.2196, 0.5725
CMYK	0.11, 0.00, 0.45, 0.22
HSL	75°, 45%, 60%
HSV	75°, 45%, 78%
XYZ	41.3152, 51.2981, 22.1920
YIQ	182.1620, 15.7780, -32.6540

Conversions

Conversions Part 2

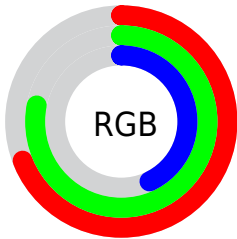
Format	Color
RYB	109, 199, 131
Decimal	11650925
CIELab	76.86, -21.50, 42.40
CIELCh	77, 47.541, 116.885
Yxy	51.2981, 0.3599, 0.4468
Android (android.graphics.Color)	4289841005 (0xFFB1C76D)
YUV	182.1620, -36.0689, -4.5271
Hunter-Lab	71.6227, -22.3729, 31.7651

Details

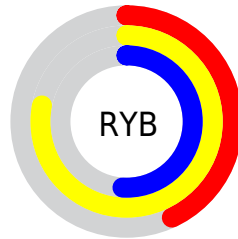
The XYZ color **41.3152, 51.2981, 22.1920** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.1395, 19.8875, 56.5495**, and the grayscale version is **44.7372, 47.0671, 51.2560**.

A 20% lighter version of the original color is **76.2133, 91.6211, 47.8502**, and **19.0575, 24.7672, 7.7791** is the 20% darker color. If you saturate the color by 10%, you get **39.2748, 50.3580, 17.1237**, and if you desaturate by 10%, it is **43.6402, 52.3602, 28.5416**.

Distribution



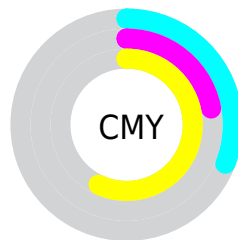
- Red (69%)
- Green (78%)
- Blue (43%)



- Red (43%)
- Yellow (78%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (45%)
- Black (22%)



- Cyan (31%)
- Magenta (22%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3152, 51.2981, 22.1920 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 41.3152, 51.2981, 22.1920 by changing the saturation by 10% instead.

41.3152, 51.2981,
22.1920

41.3152, 51.2981,
22.1920

342.6764,
391.7209, 276.5335

28.7542, 36.4459,
13.7984

76.4338, 92.0953,
47.9694

19.0383, 24.7788,
7.8434

99.7222, 118.8090,
66.1902

11.8021, 15.9123,
3.9086

127.3171,
150.2454, 88.5239

6.6803, 9.4621,
1.5753

159.5838,
186.7889, 115.3889

3.3075, 5.0438,
0.2731

196.8877,
228.8237, 147.2038

1.3184, 2.2730,
0.0000

239.5942,

0.1969, 0.7594,

276.7344, 184.3872

0.0000

288.0687,
330.9053, 227.3576

■ 0.0000, 0.0000,
0.0000

■ 41.3152, 51.2981,
22.1920

■ 41.3152, 51.2981,
22.1920

■ 39.2748, 50.3580,
17.1237

■ 43.6402, 52.3602,
28.5416

■ 37.4982, 49.5261,
13.2462

■ 46.2615, 53.5437,
36.2483

■ 35.9677, 48.7971,
10.4622


■ 49.1944, 54.8565,
45.3862


■ 34.6611, 48.1621,
8.6579

■ 52.4523, 56.3039,
56.0226


■ 33.5517, 47.6104,
7.6942


■ 56.0476, 57.8910,
68.2209

 33.0666, 47.3663,
7.3998

 59.9918, 59.6226,
82.0407

 64.2962, 61.5030,
97.5386

 66.7711, 62.6565,
103.1824

 68.2294, 63.4083,
103.2507

Harmonies

Analogous

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



49.7074, 51.2981, 19.4468



41.3152, 51.2981, 22.1920



35.6051, 51.2981, 32.8432

Triad

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



41.3152, 51.2981, 22.1920



39.8684, 51.2981, 108.7549



68.2442, 51.2981, 58.6021

Complementary

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



41.3152, 51.2981, 22.1920



25.1395, 19.8875, 56.5495

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.



64.8049, 51.2981, 87.6860



41.3152, 51.2981, 22.1920



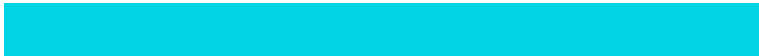
47.8194, 51.2981, 121.7256

Square

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



41.3152, 51.2981, 22.1920



34.8451, 51.2981, 81.5121



57.0434, 51.2981, 113.0249



65.9527, 51.2981, 36.2405

Rectangle

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



41.3152, 51.2981, 22.1920



33.7186, 51.2981, 45.3087



57.0434, 51.2981, 113.0249



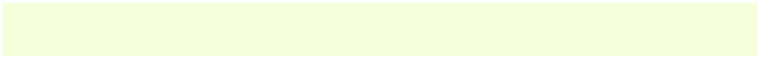
67.7107, 51.2981, 67.9224

Sweetspot

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



41.3165, 51.3004, 22.1931



86.6871, 96.2923, 81.2425



34.2980, 29.2131, 18.2997



18.3010, 20.4974, 16.5798



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.



41.3165, 51.3004, 22.1931



68.9089, 88.2359, 30.3216



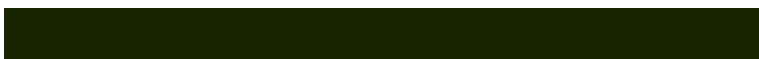
32.8584, 46.9401, 21.7973



11.2608, 12.2814, 11.3398



21.3439, 30.4985, 4.7619



1.0731, 1.4763, 0.2284

Inverse Universe

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



25.1395, 19.8875, 56.5495



37.2026, 26.5887, 97.7791



33.4585, 24.1760, 56.9388



10.2956, 10.4106, 13.3843



7.5000, 3.1007, 34.9476



0.4231, 0.1819, 1.6579

Previews

White Background



This preview shows how the XYZ color 41.3152, 51.2981, 22.1920 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 41.3152, 51.2981, 22.1920 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 41.3152, 51.2981, 22.1920

Background



This preview shows how black text looks on a background with the XYZ color 41.3152, 51.2981, 22.1920.



This preview shows how white text looks on a background with the XYZ color 41.3152, 51.2981,

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

41.3152, 51.2981, 22.1920

Protanopia

46.8115, 50.8457, 20.9826

Deuteranopia

52.1376, 51.0630, 22.7310



Tritanopia

49.7490, 51.0971, 63.7406

Trichromacy



Original Color

41.3152, 51.2981, 22.1920

Protanomaly

44.7498, 51.0718, 21.4092

Deuteranomaly

47.7718, 50.9852, 22.6525

Tritanomaly

46.0187, 50.8781, 44.9311

Monochromacy



Original Color

41.3152, 51.2981, 22.1920

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7220, 48.0363, 38.0306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3152, 51.2981, 22.1920 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(177, 199, 109)` looks like.

```
.text, #text, p{  
    color:rgb(177, 199, 109)  
}
```

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(177, 199, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 199, 109) }
```

Border

The CSS property to change the border of an element to XYZ 41.3152, 51.2981, 22.1920 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(177, 199, 109) }
```


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

```
.border{ border-color:rgb(177, 199, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 199, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 199, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 199, 109);  
box-shadow:4px 4px 4px 4px rgb(177, 199,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3152, 51.2981, 22.1920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 199, 109) }
```

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

```
.background{ background-color: rgb(177,  
199, 109) }
```

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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