

Converting Colors

XYZ(41.0225, 52.1594, 20.1859)

Have a look what the booklet for
XYZ(41.0225, 52.1594, 20.1859)
contains.

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Color

**XYZ(41.1487, 52.2946,
20.2370)**

Conversions

Conversions Part 1

Format	Color
Hex	AFCA65
RGB	175, 202, 101
RGB Percent	69%, 79%, 40%
CMY	0.3137, 0.2078, 0.6039
CMYK	0.13, 0.00, 0.50, 0.21
HSL	76°, 49%, 59%
HSV	76°, 50%, 79%
XYZ	41.1487, 52.2946, 20.2370
YIQ	182.4130, 16.3290, -37.1350

Conversions

Conversions Part 2

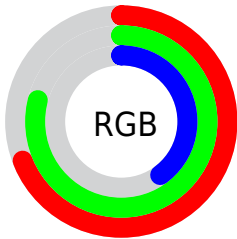
Format	Color
RYB	101, 202, 128
Decimal	11520613
CIELab	77.46, -24.58, 47.00
CIELCh	77, 53.037, 117.614
Yxy	52.2946, 0.3620, 0.4600
Android (android.graphics.Color)	4289710693 (0xFFAFC6A5)
YUV	182.4130, -40.1366, -6.5012
Hunter-Lab	72.3150, -24.9812, 34.0285

Details

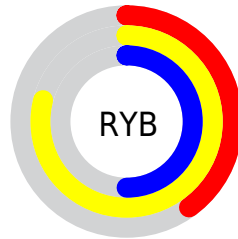
The XYZ color **41.1487, 52.2946, 20.2370** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.2184, 18.1622, 58.1093**, and the grayscale version is **44.8959, 47.2339, 51.4378**.

A 20% lighter version of the original color is **74.8714, 91.0089, 44.1922**, and **18.9114, 25.4032, 6.9242** is the 20% darker color. If you saturate the color by 10%, you get **39.0905, 51.3359, 15.5943**, and if you desaturate by 10%, it is **43.5012, 53.3803, 26.1652**.

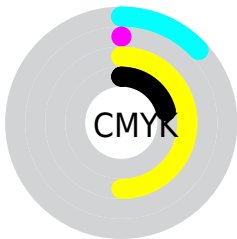
Distribution



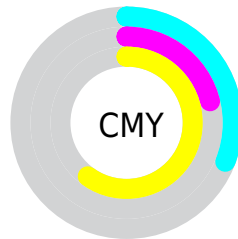
- Red (69%)
- Green (79%)
- Blue (40%)



- Red (40%)
- Yellow (79%)
- Blue (50%)



- Cyan (13%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)



- Cyan (31%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1487, 52.2946, 20.2370 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 41.1487, 52.2946, 20.2370 by changing the saturation by 10% instead.

■ 41.1487, 52.2946,
20.2370

■ 41.1487, 52.2946,
20.2370

341.9937,
395.5729, 265.8418

■ 28.6235, 37.2399,
12.3817

■ 76.1829, 93.5656,
44.6784

■ 18.9390, 25.3933,
6.8785

■ 99.4225, 120.5507,
62.1014

■ 11.7300, 16.3703,
3.3089

■ 126.9643,
152.2814, 83.5509

■ 6.6310, 9.7866,
1.2545

■ 159.1737,
189.1421, 109.4452

■ 3.2767, 5.2577,
0.0240

196.4160,
231.5172, 140.2029

■ 1.3017, 2.3992,
0.0000

239.0565,

■ 0.1845, 0.8255,

279.7911, 176.2425

0.0000

287.4606,
334.3482, 217.9826

■ 0.0000, 0.0000,
0.0000

■ 41.1487, 52.2946,
20.2370

■ 41.1487, 52.2946,
20.2370

■ 39.0905, 51.3359,
15.5943

■ 43.5012, 53.3803,
26.1652

■ 37.3040, 50.4896,
12.1382

■ 46.1611, 54.5928,
33.4616

■ 35.7694, 49.7495,
9.7608


■ 49.1451, 55.9406,
42.2056


■ 34.4615, 49.1055,
8.3332


■ 52.4674, 57.4296,
52.4699


■ 33.3335, 48.5388,
7.6121


■ 56.1414, 59.0651,
64.3221

 33.3335, 48.5388,
7.6121

 60.1798, 60.8522,
77.8257

 64.5944, 62.7959,
93.0409

 68.1473, 64.4008,
103.4466

 69.7911, 65.2482,
103.5235

Harmonies

Analogous

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



50.5263, 52.2946, 17.2126



41.1487, 52.2946, 20.2370



34.9007, 52.2946, 31.8217

Triad

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



41.1487, 52.2946, 20.2370



39.9131, 52.2946, 118.8399



72.0132, 52.2946, 59.3131

Complementary

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



41.1487, 52.2946, 20.2370



24.2184, 18.1622, 58.1093

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.



68.1947, 52.2946, 92.6770



41.1487, 52.2946, 20.2370



48.8915, 52.2946, 133.6165

Square

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



41.1487, 52.2946, 20.2370



34.2590, 52.2946, 87.1792



59.3708, 52.2946, 122.7042



69.2089, 52.2946, 34.6527

Rectangle

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



41.1487, 52.2946, 20.2370



32.8893, 52.2946, 45.7110



59.3708, 52.2946, 122.7042



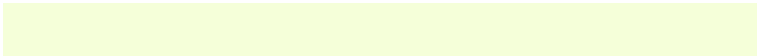
71.4514, 52.2946, 69.8718

Sweetspot

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



41.1500, 52.2969, 20.2381



85.8290, 95.8884, 79.4599



34.4184, 28.9187, 16.0804



18.1171, 20.4102, 16.2283



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.



41.1500, 52.2969, 20.2381



65.9168, 86.7894, 25.8482



31.8656, 47.5106, 19.8036



11.8499, 12.9400, 11.9526



21.5369, 31.2780, 4.9021



1.1807, 1.6495, 0.2562

Inverse Universe

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



24.2184, 18.1622, 58.1093



34.1131, 22.5541, 97.1632



33.7759, 23.0892, 58.5566



10.8785, 10.9866, 14.1176



7.9124, 3.2865, 36.1736



0.4819, 0.2076, 1.8696

Previews

White Background



This preview shows how the XYZ color 41.1487, 52.2946, 20.2370 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 41.1487, 52.2946, 20.2370 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

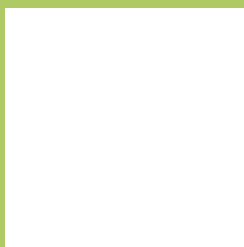
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.1487, 52.2946, 20.2370

Background



This preview shows how black text looks on a background with the XYZ color 41.1487, 52.2946, 20.2370.



This preview shows how white text looks on a background with the XYZ color 41.1487, 52.2946,

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

41.1487, 52.2946, 20.2370

Protanopia

47.6524, 51.9736, 18.8296

Deuteranopia

52.9337, 51.8201, 20.8480



Tritanopia

50.2931, 51.9745, 65.7739

Trichromacy



Original Color

41.1487, 52.2946, 20.2370

Protanomaly

45.0084, 51.9178, 19.2042

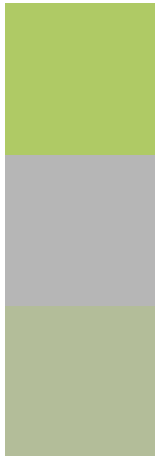
Deuteranomaly

47.8477, 51.3917, 20.4945

Tritanomaly

45.8881, 51.4780, 44.5635

Monochromacy



Original Color

41.1487, 52.2946, 20.2370

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.5378, 48.2788, 37.2138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1487, 52.2946, 20.2370 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(175, 202, 101)` looks like.

```
.text, #text, p{  
    color:rgb(175, 202, 101)  
}
```

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(175, 202, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 202, 101) }
```

Border

The CSS property to change the border of an element to XYZ 41.1487, 52.2946, 20.2370 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(175, 202, 101) }
```


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

```
.border{ border-color:rgb(175, 202, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 202, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 202, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 202, 101);  
box-shadow:4px 4px 4px 4px rgb(175, 202,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1487, 52.2946, 20.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 202, 101) }
```

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

```
.background{ background-color: rgb(175,  
202, 101) }
```

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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