

Converting Colors

XYZ(41.8744, 54.8412, 20.6349)

Have a look what the booklet for
XYZ(41.8744, 54.8412, 20.6349)
contains.

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Color

**XYZ(41.9181, 54.8220,
20.6843)**

Conversions

Conversions Part 1

Format	Color
Hex	ACD065
RGB	172, 208, 101
RGB Percent	67%, 82%, 40%
CMY	0.3255, 0.1843, 0.6039
CMYK	0.17, 0.00, 0.51, 0.18
HSL	80°, 53%, 61%
HSV	80°, 51%, 82%
XYZ	41.9181, 54.8220, 20.6843
YIQ	185.0380, 12.8910, -40.9090

Conversions

Conversions Part 2

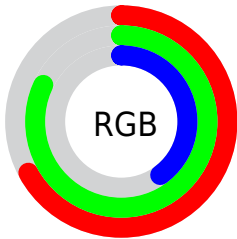
Format	Color
RYB	101, 208, 137
Decimal	11325541
CIELab	78.94, -28.63, 48.72
CIELCh	79, 56.505, 120.441
Yxy	54.8220, 0.3570, 0.4669
Android (android.graphics.Color)	4289515621 (0xFFACD065)
YUV	185.0380, -41.4307, -11.4343
Hunter-Lab	74.0419, -28.5172, 35.2661

Details

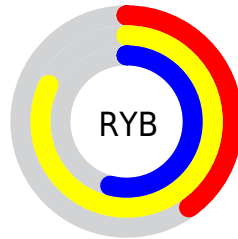
The XYZ color **41.9181, 54.8220, 20.6843** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.3576, 19.1813, 61.9908**, and the grayscale version is **46.3548, 48.7688, 53.1092**.

A 20% lighter version of the original color is **73.9058, 90.5111, 44.1470**, and **19.2817, 26.7861, 7.0597** is the 20% darker color. If you saturate the color by 10%, you get **39.5297, 53.6957, 15.9096**, and if you desaturate by 10%, it is **44.6479, 56.0980, 26.8234**.

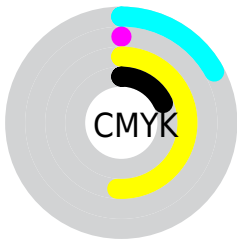
Distribution



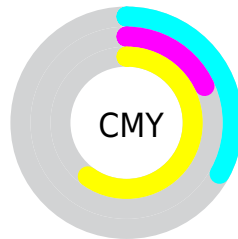
- Red (67%)
- Green (82%)
- Blue (40%)



- Red (40%)
- Yellow (82%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (51%)
- Black (18%)



- Cyan (33%)
- Magenta (18%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9181, 54.8220, 20.6843 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 41.9181, 54.8220, 20.6843 by changing the saturation by 10% instead.

■ 41.9181, 54.8220,
20.6843

■ 41.9181, 54.8220,
20.6843

345.1407,
405.2368, 268.3216

■ 29.2280, 39.2592,
12.7044

■ 77.3416, 97.2801,
45.4355

■ 19.3985, 26.9614,
7.0970

■ 100.8057,
124.9442, 63.0439

■ 12.0643, 17.5443,
3.4435

■ 128.5919,
157.4109, 84.6989

■ 6.8600, 10.6233,
1.3253

■ 161.0654,
195.0646, 110.8190

■ 3.4202, 5.8141,
0.0824

198.5917,
238.2896, 141.8228

■ 1.3797, 2.7324,
0.0000

241.5361,

■ 0.2417, 0.9937,

287.4704, 178.1288

0.0000

290.2640,
342.9914, 220.1556

■ 0.0000, 0.0000,
0.0000

■ 41.9181, 54.8220,
20.6843

■ 41.9181, 54.8220,
20.6843

■ 39.5297, 53.6957,
15.9096

■ 44.6479, 56.0980,
26.8234

■ 37.4578, 52.7034,
12.3911

■ 47.7343, 57.5242,
34.4170

■ 35.6797, 51.8375,
10.0101

■ 51.1959, 59.1101,
43.5517

■ 34.1668, 51.0868,
8.6237

■ 55.0488, 60.8623,
54.3063

■ 33.0405, 50.5186,
8.0096

■ 59.3081, 62.7869,
66.7543

■ 63.9879, 64.8898,
80.9644

■ 69.1018, 67.1765,
97.0019

■ 72.5998, 68.8270,
104.0663

■ 74.8654, 69.9950,
104.1723

Harmonies

Analogous

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



51.9408, 54.8220, 16.7596



41.9181, 54.8220, 20.6843



35.4962, 54.8220, 34.0946

Triad

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



41.9181, 54.8220, 20.6843



42.1673, 54.8220, 131.2247



76.8080, 54.8220, 59.2176

Complementary

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



41.9181, 54.8220, 20.6843



26.3576, 19.1813, 61.9908

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.



73.2273, 54.8220, 95.6756



41.9181, 54.8220, 20.6843



52.2729, 54.8220, 145.2998

Square

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



41.9181, 54.8220, 20.6843



35.6249, 54.8220, 96.8079



63.8253, 54.8220, 130.4225



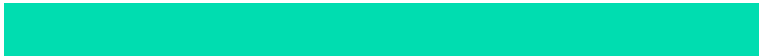
73.0192, 54.8220, 33.5308

Rectangle

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



41.9181, 54.8220, 20.6843



33.5884, 54.8220, 50.0033



63.8253, 54.8220, 130.4225



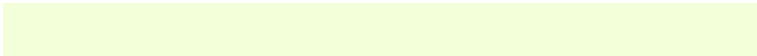
76.4213, 54.8220, 70.5574

Sweetspot

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



41.9194, 54.8244, 20.6855



84.9142, 95.4169, 79.4171



37.2618, 32.1480, 16.5540



17.8958, 20.2961, 16.2180



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.



41.9194, 54.8244, 20.6855



62.2163, 84.9100, 24.3950



32.4915, 49.9642, 20.2443



12.4009, 13.5901, 12.5816



20.6981, 31.5392, 4.9968



1.2399, 1.8061, 0.2833

Inverse Universe

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



26.3576, 19.1813, 61.9908



34.9113, 22.2443, 97.0613



37.3177, 24.8315, 62.5038



11.5332, 11.6082, 14.8764



8.7623, 3.6974, 37.4443



0.5737, 0.2499, 2.0976

Previews

White Background



This preview shows how the XYZ color 41.9181, 54.8220, 20.6843 looks on a white background.

Color Contrast Check

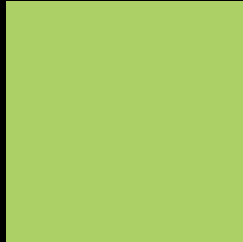
Large Text (above 18pt) WCAG AA × Fail

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 41.9181, 54.8220, 20.6843 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 41.9181, 54.8220, 20.6843

Background



This preview shows how black text looks on a background with the XYZ color 41.9181, 54.8220, 20.6843.

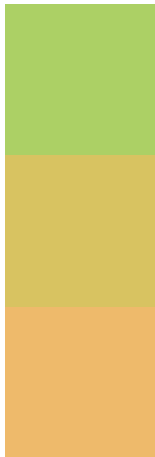


This preview shows how white text looks on a background with the XYZ color 41.9181, 54.8220,

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

41.9181, 54.8220, 20.6843

Protanopia

49.9917, 54.4922, 19.1925

Deuteranopia

55.4726, 54.3565, 21.4780



Tritanopia

51.7475, 54.6221, 69.4438

Trichromacy



Original Color

41.9181, 54.8220, 20.6843

Protanomaly

46.6783, 54.4698, 19.6088

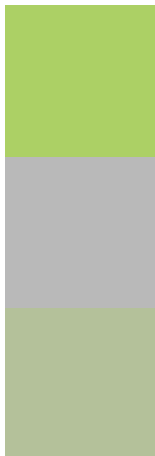
Deuteranomaly

49.5731, 53.8996, 21.1555

Tritanomaly

47.0610, 54.0726, 46.4847

Monochromacy



Original Color

41.9181, 54.8220, 20.6843

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

43.7251, 50.1763, 37.9523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9181, 54.8220, 20.6843 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(172, 208, 101)` looks like.

```
.text, #text, p{  
    color:rgb(172, 208, 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(172, 208, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 208, 101) }
```

Border

The CSS property to change the border of an element to XYZ 41.9181, 54.8220, 20.6843 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(172, 208, 101) }
```


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

```
.border{ border-color:rgb(172, 208, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 208, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 208, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 208, 101);  
box-shadow:4px 4px 4px 4px rgb(172, 208,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9181, 54.8220, 20.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 208, 101) }
```

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

```
.background{ background-color: rgb(172,  
208, 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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