

Converting Colors

XYZ(41.0744, 56.6813, 20.8277)

Have a look what the booklet for
XYZ(41.0744, 56.6813, 20.8277)
contains.

XYZ(41.0448, 56.5903, 20.8163)	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(41.0448, 56.5903,
20.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	A1D664
RGB	161, 214, 100
RGB Percent	63%, 84%, 39%
CMY	0.3686, 0.1608, 0.6078
CMYK	0.25, 0.00, 0.53, 0.16
HSL	88°, 58%, 62%
HSV	88°, 53%, 84%
XYZ	41.0448, 56.5903, 20.8163
YIQ	185.1570, 5.0060, -46.6900

Conversions

Conversions Part 2

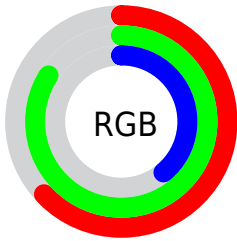
Format	Color
RYB	100, 214, 153
Decimal	10606180
CIELab	79.95, -35.64, 50.21
CIElCh	80, 61.577, 125.368
Yxy	56.5903, 0.3465, 0.4778
Android (android.graphics.Color)	4288796260 (0xFFA1D664)
YUV	185.1570, -41.9824, -21.1857
Hunter-Lab	75.2265, -34.2540, 36.2521

Details

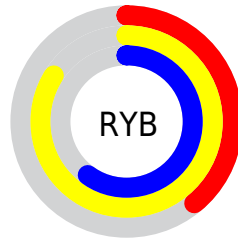
The XYZ color **41.0448, 56.5903, 20.8163** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.8340, 20.7433, 66.0529**, and the grayscale version is **46.4273, 48.8451, 53.1924**.

A 20% lighter version of the original color is **70.5062, 88.7585, 43.9879**, and **18.8551, 28.0657, 7.1128** is the 20% darker color. If you saturate the color by 10%, you get **38.2165, 55.2384, 15.9694**, and if you desaturate by 10%, it is **44.3075, 58.1383, 27.1058**.

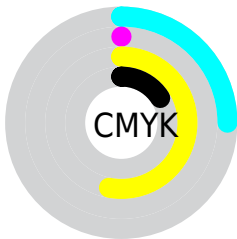
Distribution



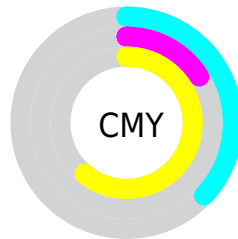
- Red (63%)
- Green (84%)
- Blue (39%)



- Red (39%)
- Yellow (84%)
- Blue (60%)



- Cyan (25%)
- Magenta (0%)
- Yellow (53%)
- Black (16%)





- Cyan (37%)
- Magenta (16%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0448, 56.5903, 20.8163 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 41.0448, 56.5903, 20.8163 by changing the saturation by 10% instead.


 41.0448, 56.5903,
20.8163


 41.0448, 56.5903,
20.8163


341.5672,
411.9123, 269.0495

 28.5419, 40.6764,
12.7999


 76.0262, 99.8671,
45.6584


 18.8771, 28.0663,
7.1618


 99.2354, 127.9989,
63.3212

 11.6850, 18.3757,
3.4835


 126.7441,
160.9720, 85.0365

 6.6002, 11.2200,
1.3465

 158.9176,
199.1709, 111.2228

 3.2575, 6.2150,
0.0994

196.1213,
242.9800, 142.2987

 1.2913, 2.9763,
0.0000

238.7206,

 0.1767, 1.1194,

292.7837, 178.6828

0.0000

287.0808,
348.9663, 220.7935

■ 0.0000, 0.0000,
0.0000

■ 41.0448, 56.5903,
20.8163

■ 41.0448, 56.5903,
20.8163

■ 38.2165, 55.2384,
15.9694

■ 44.3075, 58.1383,
27.1058

■ 35.7929, 54.0645,
12.4464

■ 48.0236, 59.8845,
34.9366

■ 33.7465, 53.0590,
10.1160

■ 52.2153, 61.8402,
44.4032

■ 32.0430, 52.2078,
8.8181

■ 56.9025, 64.0138,
55.5913

■ 31.0530, 51.7069,
8.3438

■ 62.1034, 66.4128,
68.5807

■ 67.8355, 69.0447,
83.4462

■ 74.1150, 71.9163,
100.2584

■ 78.2372, 73.9461,
104.7572

■ 81.7197, 75.7414,
104.9202

Harmonies

Analogous

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



51.5708, 56.5903, 15.3635



41.0448, 56.5903, 20.8163



34.7706, 56.5903, 37.1585

Triad

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



41.0448, 56.5903, 20.8163



44.3825, 56.5903, 147.7131



81.4285, 56.5903, 55.4013

Complementary

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



41.0448, 56.5903, 20.8163



29.8340, 20.7433, 66.0529

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.



78.7158, 56.5903, 94.9739



41.0448, 56.5903, 20.8163



56.0666, 56.5903, 158.6465

Square

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



41.0448, 56.5903, 20.8163



36.4783, 56.5903, 110.6423



68.9270, 56.5903, 136.4798



75.8538, 56.5903, 29.7544

Rectangle

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



41.0448, 56.5903, 20.8163



33.2184, 56.5903, 56.2264



68.9270, 56.5903, 136.4798



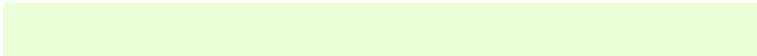
81.4640, 56.5903, 67.3420

Sweetspot

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



41.0462, 56.5928, 20.8175



82.5253, 94.2233, 77.5897



41.1489, 37.4482, 17.1168



17.3501, 20.0223, 15.8547



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.



41.0462, 56.5928, 20.8175



56.3014, 81.8874, 22.9179



32.2568, 52.0617, 20.4062



12.8906, 14.2198, 13.2260



18.8899, 31.3144, 5.0487



1.2345, 1.9378, 0.3090

Inverse Universe

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



29.8340, 20.7433, 66.0529



37.9400, 23.1293, 97.0725



42.7938, 27.4243, 66.6594



12.2860, 12.2888, 15.6620



10.5972, 4.6156, 38.7855



0.7342, 0.3274, 2.3438

Previews

White Background



This preview shows how the XYZ color 41.0448, 56.5903, 20.8163 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 41.0448, 56.5903, 20.8163 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 41.0448, 56.5903, 20.8163

Background



This preview shows how black text looks on a background with the XYZ color 41.0448, 56.5903, 20.8163.



This preview shows how white text looks on a background with the XYZ color 41.0448, 56.5903,

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

41.0448, 56.5903, 20.8163

Protanopia

51.4731, 56.2745, 18.9756

Deuteranopia

57.2550, 55.9052, 21.6830



Tritanopia

51.5425, 56.1302, 73.7633

Trichromacy



Original Color

41.0448, 56.5903, 20.8163

Protanomaly

47.0392, 56.0546, 19.6496

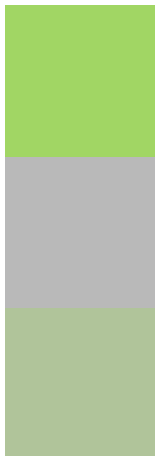
Deuteranomaly

49.9055, 55.0781, 21.0975

Tritanomaly

46.5059, 55.8565, 48.3747

Monochromacy



Original Color

41.0448, 56.5903, 20.8163

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

43.4772, 51.0431, 38.1327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0448, 56.5903, 20.8163 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(161, 214, 100)` looks like.

```
.text, #text, p{  
    color:rgb(161, 214, 100)  
}
```

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(161, 214, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 214, 100) }
```

Border

The CSS property to change the border of an element to XYZ 41.0448, 56.5903, 20.8163 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(161, 214, 100) }
```


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

```
.border{ border-color:rgb(161, 214, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 214, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 214, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 214, 100);  
box-shadow:4px 4px 4px 4px rgb(161, 214,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0448, 56.5903, 20.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 214, 100) }
```

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

```
.background{ background-color: rgb(161,  
214, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor