

Converting Colors

XYZ(42.5196, 53.1495, 20.3911)

Have a look what the booklet for
XYZ(42.5196, 53.1495, 20.3911)
contains.

XYZ(42.2919, 52.8839, 20.2905)	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(42.2919, 52.8839,
20.2905)**

Conversions

Conversions Part 1

Format	Color
Hex	B4CA65
RGB	180, 202, 101
RGB Percent	71%, 79%, 40%
CMY	0.2941, 0.2078, 0.6039
CMYK	0.11, 0.00, 0.50, 0.21
HSL	73°, 49%, 59%
HSV	73°, 50%, 79%
XYZ	42.2919, 52.8839, 20.2905
YIQ	183.9080, 19.3090, -36.0750

Conversions

Conversions Part 2

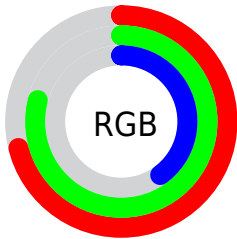
Format	Color
RYB	101, 202, 123
Decimal	11848293
CIELab	77.81, -22.62, 47.50
CIELCh	78, 52.609, 115.465
Yxy	52.8839, 0.3663, 0.4580
Android (android.graphics.Color)	4290038373 (0xFFB4CA65)
YUV	183.9080, -40.8736, -3.4273
Hunter-Lab	72.7213, -23.4536, 34.3620

Details

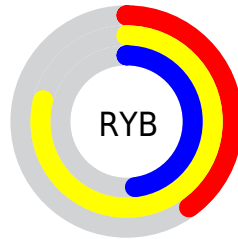
The XYZ color **42.2919, 52.8839, 20.2905** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.4846, 17.7839, 58.0750**, and the grayscale version is **45.7214, 48.1025, 52.3836**.

A 20% lighter version of the original color is **76.5178, 91.8576, 44.2692**, and **19.6231, 25.7701, 6.9575** is the 20% darker color. If you saturate the color by 10%, you get **40.4134, 52.0179, 15.6562**, and if you desaturate by 10%, it is **44.4487, 53.8687, 26.2096**.

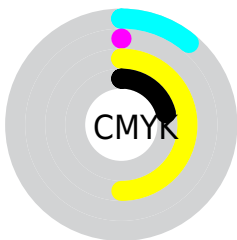
Distribution



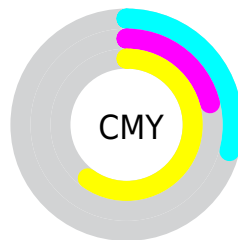
- Red (71%)
- Green (79%)
- Blue (40%)



- Red (40%)
- Yellow (79%)
- Blue (48%)



- Cyan (11%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)



- Cyan (29%)
- Magenta (21%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2919, 52.8839, 20.2905 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 42.2919, 52.8839, 20.2905 by changing the saturation by 10% instead.

■ 42.2919, 52.8839,
20.2905

■ 42.2919, 52.8839,
20.2905

346.6626,
397.8395, 266.1395

■ 29.5220, 37.7101,
12.4202

■ 77.9036, 94.4335,
44.7690

■ 19.6223, 25.7578,
6.9045

■ 101.4762,
121.5781, 62.2144

■ 12.2275, 16.6425,
3.3249

■ 129.3803,
153.4817, 83.6885

■ 6.9721, 9.9799,
1.2628

■ 161.9814,
190.5288, 109.6099

■ 3.4908, 5.3857,
0.0310

199.6449,
233.1038, 140.3972

■ 1.4183, 2.4753,
0.0000

242.7360,

■ 0.2692, 0.8642,

281.5909, 176.4689

0.0000

291.6201,
336.3747, 218.2435

■ 0.0000, 0.0000,
0.0000

■ 42.2919, 52.8839,
20.2905

■ 42.2919, 52.8839,
20.2905

■ 40.4134, 52.0179,
15.6562

■ 44.4487, 53.8687,
26.2096

■ 38.7911, 51.2562,
12.2078

■ 46.8967, 54.9720,
33.4960

■ 37.4051, 50.5927,
9.8374

■ 49.6522, 56.2021,
42.2294

■ 36.2306, 50.0175,
8.4160


■ 52.7294, 57.5647,
52.4822


■ 35.2213, 49.5119,
7.7004

■ 56.1414, 59.0651,
64.3221

 35.2213, 49.5119,
7.7004

 59.9005, 60.7083,
77.8126

 64.0184, 62.4989,
93.0140

 67.2571, 63.9419,
103.4049

 68.5686, 64.6180,
103.4663

Harmonies

Analogous

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



51.8319, 52.8839, 17.7673



42.2919, 52.8839, 20.2905



35.7725, 52.8839, 31.2398

Triad

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



42.2919, 52.8839, 20.2905



39.9420, 52.8839, 117.3811



72.4696, 52.8839, 62.1398

Complementary

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



42.2919, 52.8839, 20.2905



23.4846, 17.7839, 58.0750

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.



68.2213, 52.8839, 95.6716



42.2919, 52.8839, 20.2905



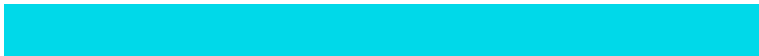
48.7291, 52.8839, 133.7222

Square

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



42.2919, 52.8839, 20.2905



34.5501, 52.8839, 85.2774



59.1811, 52.8839, 124.6699



70.1408, 52.8839, 36.6435

Rectangle

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



42.2919, 52.8839, 20.2905



33.5641, 52.8839, 44.5993



59.1811, 52.8839, 124.6699



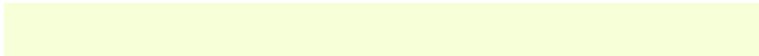
71.7490, 52.8839, 72.8664

Sweetspot

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



42.2932, 52.8863, 20.2916



86.4922, 96.2304, 79.4910



33.7764, 27.6347, 15.8664



18.2779, 20.4931, 16.2359



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.



42.2932, 52.8863, 20.2916



68.1805, 87.9563, 25.9542



32.6185, 47.8988, 19.8389



11.9054, 12.9686, 11.9551



22.7415, 31.8990, 4.9585



1.2341, 1.6770, 0.2587

Inverse Universe

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



23.4846, 17.7839, 58.0750



32.8467, 21.9013, 97.1039



32.6346, 22.5009, 58.5032



10.8265, 10.9599, 14.1152



7.5915, 3.1211, 36.1586



0.4582, 0.1953, 1.8685

Previews

White Background



This preview shows how the XYZ color 42.2919, 52.8839, 20.2905 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 42.2919, 52.8839, 20.2905 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 42.2919, 52.8839, 20.2905

Background



This preview shows how black text looks on a background with the XYZ color 42.2919, 52.8839, 20.2905.



This preview shows how white text looks on a background with the XYZ color 42.2919, 52.8839,

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

42.2919, 52.8839, 20.2905

Protanopia

48.2056, 52.5782, 19.1632

Deuteranopia

53.7960, 52.5697, 20.9473



Tritanopia

51.2923, 52.4896, 65.8206

Trichromacy



Original Color

42.2919, 52.8839, 20.2905

Protanomaly

45.8115, 52.6601, 19.5543

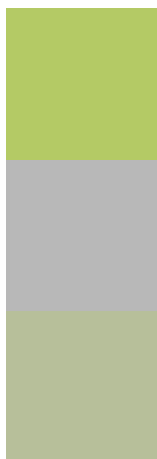
Deuteranomaly

48.9365, 52.2735, 20.6073

Tritanomaly

47.0987, 52.1021, 44.6201

Monochromacy



Original Color

42.2919, 52.8839, 20.2905

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.9920, 49.6620, 37.8389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2919, 52.8839, 20.2905 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(180, 202, 101)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 202, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 202, 101) }
```

Border

The CSS property to change the border of an element to XYZ 42.2919, 52.8839, 20.2905 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(180, 202, 101) }
```


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

```
.border{ border-color:rgb(180, 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(180, 202, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 202, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 202, 101);  
box-shadow:4px 4px 4px 4px rgb(180, 202,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2919, 52.8839, 20.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 202, 101) }
```

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

```
.background{ background-color: rgb(180,  
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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