

Converting Colors

XYZ(42.4284, 49.2370, 20.3828)

Have a look what the booklet for
XYZ(42.4284, 49.2370, 20.3828)
contains.

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Color

**XYZ(42.3647, 49.2082,
20.3620)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBF68
RGB	190, 191, 104
RGB Percent	75%, 75%, 41%
CMY	0.2549, 0.2510, 0.5921
CMYK	0.01, 0.00, 0.46, 0.25
HSL	61°, 40%, 58%
HSV	61°, 46%, 75%
XYZ	42.3647, 49.2082, 20.3620
YIQ	180.7830, 27.3310, -27.2690

Conversions

Conversions Part 2

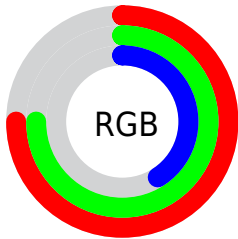
Format	Color
RYB	104, 191, 105
Decimal	12500840
CIELab	75.58, -12.81, 43.53
CIELCh	76, 45.372, 106.396
Yxy	49.2082, 0.3785, 0.4396
Android (android.graphics.Color)	4290690920 (0xFFBEBF68)
YUV	180.7830, -37.8540, 8.0833
Hunter-Lab	70.1486, -14.9588, 31.8939

Details

The XYZ color **42.3647, 49.2082, 20.3620** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.1817, 16.6667, 51.4464**, and the grayscale version is **43.9924, 46.2835, 50.4027**.

A 20% lighter version of the original color is **78.0580, 88.9123, 44.9460**, and **19.7460, 23.5942, 7.0034** is the 20% darker color. If you saturate the color by 10%, you get **41.4478, 48.8368, 15.8159**, and if you desaturate by 10%, it is **43.5038, 49.6720, 26.0675**.

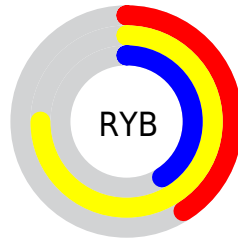
Distribution



Red (75%)

Green (75%)

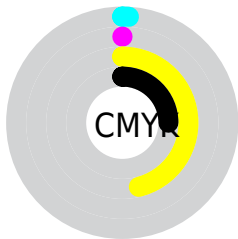
Blue (41%)



Red (41%)

Yellow (75%)

Blue (41%)

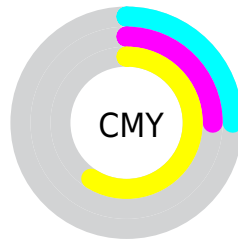


Cyan (1%)

Magenta (0%)

Yellow (46%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3647, 49.2082, 20.3620 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 42.3647, 49.2082, 20.3620 by changing the saturation by 10% instead.

■ 42.3647, 49.2082,
20.3620

■ 42.3647, 49.2082,
20.3620

346.9585,
383.5614, 266.5369

■ 29.5793, 34.7847,
12.4718

■ 78.0130, 89.0006,
44.8902

■ 19.6660, 23.4970,
6.9394

■ 101.6066,
115.1383, 62.3652

■ 12.2593, 14.9610,
3.3464

■ 129.5337,
145.9494, 83.8723

■ 6.9940, 8.7920,
1.2741

■ 162.1596,
181.8184, 109.8299

■ 3.5046, 4.6058,
0.0404

199.8497,
223.1298, 140.6567

■ 1.4259, 2.0179,
0.0000

242.9693,

■ 0.2746, 0.6178,

270.2678, 176.7711

0.0000

291.8838,
323.6168, 218.5916

■ 0.0000, 0.0000,
0.0000

■ 42.3647, 49.2082,
20.3620

■ 42.3647, 49.2082,
20.3620

■ 41.4478, 48.8368,
15.8159

■ 43.5038, 49.6720,
26.0675

■ 40.7345, 48.5452,
12.3469

■ 44.8753, 50.2270,
33.0010

■ 40.2092, 48.3287,
9.8669


■ 46.4927, 50.8803,
41.2294


■ 39.8521, 48.1795,
8.2729


■ 48.3677, 51.6367,
50.8140


■ 39.6391, 48.0880,
7.4368


■ 50.5113, 52.5006,
61.8122

 39.5682, 48.0568,
7.1904

 52.9336, 53.4759,
74.2779

 55.6444, 54.5667,
88.2623

 58.3607, 55.6596,
102.2752

 58.4165, 55.6884,
102.2778

Harmonies

Analogous

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



50.6678, 49.2082, 20.0580



42.3647, 49.2082, 20.3620



36.0377, 49.2082, 27.6207

Triad

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



42.3647, 49.2082, 20.3620



36.5067, 49.2082, 94.4667



64.2622, 49.2082, 65.1941

Complementary

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



42.3647, 49.2082, 20.3620



20.1817, 16.6667, 51.4464

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.



59.4481, 49.2082, 92.1635



42.3647, 49.2082, 20.3620



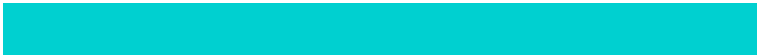
43.0792, 49.2082, 112.1761

Square

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



42.3647, 49.2082, 20.3620



32.9426, 49.2082, 67.7029



51.4725, 49.2082, 111.2256



64.0112, 49.2082, 41.5708

Rectangle

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



42.3647, 49.2082, 20.3620



33.4946, 49.2082, 37.1314



51.4725, 49.2082, 111.2256



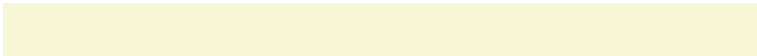
63.1601, 49.2082, 74.2832

Sweetspot

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



42.3659, 49.2104, 20.3630



83.6829, 91.2908, 75.9756



28.9365, 21.9777, 15.8144



18.2256, 19.9859, 15.9163



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3659, 49.2104, 20.3630



74.1824, 87.4431, 28.0962



33.2539, 44.5130, 19.9366



10.3111, 11.1148, 10.1785



26.0072, 31.5831, 4.7254



1.0222, 1.2390, 0.1853

Inverse Universe

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



20.1817, 16.6667, 51.4464



29.3551, 21.6758, 90.9158



26.4783, 19.9127, 51.7411



9.0264, 9.2305, 11.9781



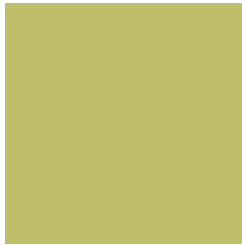
6.2030, 2.4839, 32.5454



0.2465, 0.0991, 1.2750

Previews

White Background



This preview shows how the XYZ color 42.3647, 49.2082, 20.3620 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 42.3647, 49.2082, 20.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

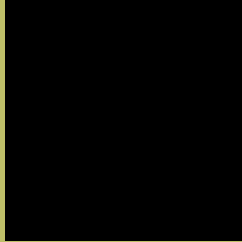
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.3647, 49.2082, 20.3620

Background



This preview shows how black text looks on a background with the XYZ color 42.3647, 49.2082, 20.3620.



This preview shows how white text looks on a background with the XYZ color 42.3647, 49.2082,

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

42.3647, 49.2082, 20.3620

Protanopia

45.1340, 49.0563, 19.6604

Deuteranopia

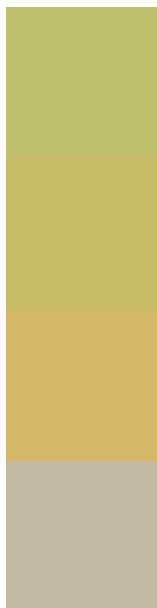
50.2528, 49.2332, 20.7643



Tritanopia

50.1936, 49.2672, 58.4938

Trichromacy



Original Color

42.3647, 49.2082, 20.3620

Protanomaly

44.2508, 49.2251, 20.0011

Deuteranomaly

47.2666, 49.2037, 20.6417

Tritanomaly

46.6355, 49.0423, 41.1906

Monochromacy



Original Color

42.3647, 49.2082, 20.3620

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.8659, 47.1882, 36.9859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3647, 49.2082, 20.3620 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(190, 191, 104)` looks like.

```
.text, #text, p{  
    color:rgb(190, 191, 104)  
}
```

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(190, 191, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 191, 104) }
```

Border

The CSS property to change the border of an element to XYZ 42.3647, 49.2082, 20.3620 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(190, 191, 104) }
```


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

```
.border{ border-color:rgb(190, 191, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 191, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 191, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 191, 104);  
box-shadow:4px 4px 4px 4px rgb(190, 191,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3647, 49.2082, 20.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 191, 104) }
```

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

```
.background{ background-color: rgb(190,  
191, 104) }
```

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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