

Converting Colors

XYZ(49.2243, 65.5152, 20.6410)

Have a look what the booklet for
XYZ(49.2243, 65.5152, 20.6410)
contains.

XYZ(49.2243, 65.5152, 20.6410)	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(49.2243, 65.5152,
20.6410)**

Conversions

Conversions Part 1

Format	Color
Hex	B9E25E
RGB	185, 226, 94
RGB Percent	73%, 89%, 37%
CMY	0.2745, 0.1137, 0.6314
CMYK	0.18, 0.00, 0.58, 0.11
HSL	79°, 69%, 63%
HSV	79°, 58%, 89%
XYZ	49.2243, 65.5152, 20.6410
YIQ	198.6930, 17.9360, -49.7440

Conversions

Conversions Part 2

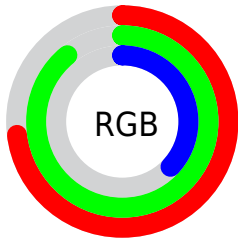
Format	Color
RYB	94, 226, 135
Decimal	12182110
CIELab	84.75, -32.73, 58.81
CIELCh	85, 67.308, 119.098
Yxy	65.5152, 0.3636, 0.4839
Android (android.graphics.Color)	4290372190 (0xFFB9E25E)
YUV	198.6930, -51.6136, -12.0088
Hunter-Lab	80.9415, -33.0933, 41.5394

Details

The XYZ color **49.2243, 65.5152, 20.6410** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **27.7245, 18.6491, 74.0938**, and the grayscale version is **54.3977, 57.2306, 62.3241**.

A 20% lighter version of the original color is **78.1470, 92.7446, 42.2165**, and **23.9660, 33.9329, 7.1203** is the 20% darker color. If you saturate the color by 10%, you get **46.7034, 64.3183, 15.9825**, and if you desaturate by 10%, it is **52.1289, 66.8799, 26.8696**.

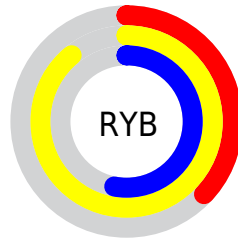
Distribution



Red (73%)

Green (89%)

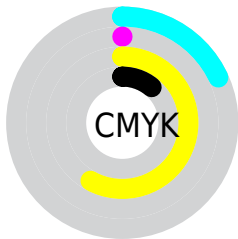
Blue (37%)



Red (37%)

Yellow (89%)

Blue (53%)

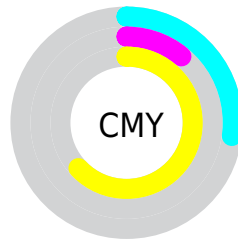


Cyan (18%)

Magenta (0%)

Yellow (58%)

Black (11%)



Cyan (27%)

Magenta (11%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2243, 65.5152, 20.6410 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 49.2243, 65.5152, 20.6410 by changing the saturation by 10% instead.

■ 49.2243, 65.5152,
20.6410

■ 49.2243, 65.5152,
20.6410

374.1270,
444.6411, 268.0825

■ 35.0127, 47.8790,
12.6732

■ 88.2232, 112.7902,
45.3623

■ 23.8392, 33.7310,
7.0758

■ 113.7413,
143.1978, 62.9528

■ 15.3385, 22.6871,
3.4304

■ 143.7588,
178.6313, 84.5880

■ 9.1452, 14.3626,
1.3184

■ 178.6413,
219.4751, 110.6864

■ 4.8938, 8.3733,
0.0768

218.7540,
266.1136, 141.6665

■ 2.2192, 4.3347,
0.0000

264.4622,

■ 0.7528, 1.8625,

318.9311, 177.9468

0.0000

316.1315,
378.3122, 219.9460

0.0000, 0.5257,
0.0000

0.0000, 0.0000,
0.0000

49.2243, 65.5152,
20.6410

49.2243, 65.5152,
20.6410

46.7034, 64.3183,
15.9825

52.1289, 66.8799,
26.8696

44.5335, 63.2690,
12.7489


55.4371, 68.4135,
34.7880

42.6834, 62.3570,
10.7756


59.1729, 70.1281,
44.5092


41.1059, 61.5632,
9.8198


63.3568, 72.0319,
56.1352


 40.8690, 61.4434,
9.7057

 68.0077, 74.1328,
69.7604

 73.1434, 76.4379,
85.4730

 78.7808, 78.9541,
103.3557

 81.5801, 80.3457,
105.8163

 84.0255, 81.6063,
105.9307

Harmonies

Analogous

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



62.7274, 65.5152, 16.3966



49.2243, 65.5152, 20.6410



40.5836, 65.5152, 36.6601

Triad

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



49.2243, 65.5152, 20.6410



48.5521, 65.5152, 168.7654



95.9396, 65.5152, 72.6489

Complementary

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



49.2243, 65.5152, 20.6410



27.7245, 18.6491, 74.0938

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.



90.5651, 65.5152, 122.9599



49.2243, 65.5152, 20.6410



61.8153, 65.5152, 190.5207

Square

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



49.2243, 65.5152, 20.6410



40.2418, 65.5152, 119.7366



77.4388, 65.5152, 171.0948



91.1517, 65.5152, 38.1307

Rectangle

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



49.2243, 65.5152, 20.6410



37.9460, 65.5152, 56.7724



77.4388, 65.5152, 171.0948



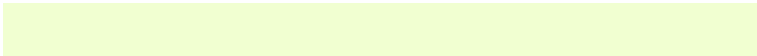
95.2490, 65.5152, 88.1963

Sweetspot

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



49.2259, 65.5181, 20.6424



83.4684, 94.7837, 74.2824



41.8568, 33.9189, 14.9315



17.5063, 20.1245, 14.8792



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.



49.2259, 65.5181, 20.6424



60.7812, 84.2662, 19.9905



37.0203, 59.2259, 20.0712



14.4359, 15.8049, 14.5966



23.4416, 35.1171, 5.5428



1.7155, 2.4809, 0.3884

Inverse Universe

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



27.7245, 18.6491, 74.0938



30.1770, 17.3596, 96.3680



41.4454, 25.7225, 74.7359



13.3506, 13.4488, 17.2799



9.3884, 3.9352, 41.3131



0.7407, 0.3191, 2.8678

Previews

White Background



This preview shows how the XYZ color 49.2243, 65.5152, 20.6410 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 49.2243, 65.5152, 20.6410 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 49.2243, 65.5152, 20.6410

Background



This preview shows how black text looks on a background with the XYZ color 49.2243, 65.5152, 20.6410.



This preview shows how white text looks on a background with the XYZ color 49.2243, 65.5152,

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

49.2243, 65.5152, 20.6410

Protanopia

59.4007, 64.9889, 19.0862

Deuteranopia

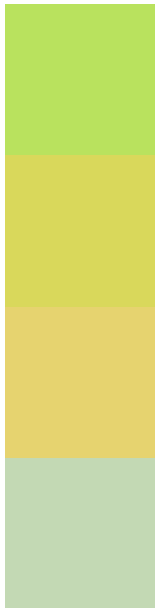
65.8117, 64.8815, 27.1439



Tritanopia

61.7737, 65.1616, 83.4504

Trichromacy



Original Color

49.2243, 65.5152, 20.6410

Protanomaly

55.0595, 64.6188, 19.4683

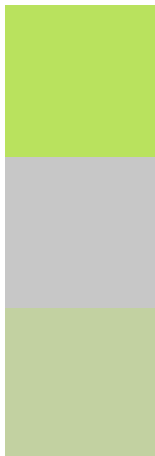
Deuteranomaly

58.7966, 64.5592, 24.4012

Tritanomaly

55.5567, 64.5231, 52.7061

Monochromacy



Original Color

49.2243, 65.5152, 20.6410

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

51.4816, 59.6435, 42.5172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2243, 65.5152, 20.6410 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(185, 226, 94)` looks like.

```
.text, #text, p{  
    color:rgb(185, 226, 94)  
}
```

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(185, 226, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 226, 94) }
```

Border

The CSS property to change the border of an element to XYZ 49.2243, 65.5152, 20.6410 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(185, 226, 94) }
```


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

```
.border{ border-color:rgb(185, 226, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 226, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 226, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 226, 94);  
box-shadow:4px 4px 4px 4px rgb(185, 226,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2243, 65.5152, 20.6410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 226, 94) }
```

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

```
.background{ background-color: rgb(185,  
226, 94) }
```

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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