

Converting Colors

XYZ(49.6329, 54.7519, 49.7296)

Have a look what the booklet for
XYZ(49.6329, 54.7519, 49.7296)
contains.

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Color

**XYZ(49.6158, 54.6389,
49.5263)**

Conversions

Conversions Part 1

Format	Color
Hex	BFC6B1
RGB	191, 198, 177
RGB Percent	75%, 78%, 69%
CMY	0.2510, 0.2235, 0.3059
CMYK	0.04, 0.00, 0.11, 0.22
HSL	80°, 16%, 74%
HSV	80°, 11%, 78%
XYZ	49.6158, 54.6389, 49.5263
YIQ	193.5130, 2.5690, -8.0150

Conversions

Conversions Part 2

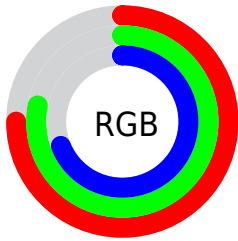
Format	Color
RYB	177, 198, 184
Decimal	12568241
CIELab	78.83, -6.17, 9.69
CIELCh	79, 11.491, 122.483
Yxy	54.6389, 0.3226, 0.3553
Android (android.graphics.Color)	4290758321 (0xFFBFC6B1)
YUV	193.5130, -8.1409, -2.2039
Hunter-Lab	73.9181, -9.5428, 12.0175

Details

The XYZ color **49.6158, 54.6389, 49.5263** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6845, 45.7133, 59.8447**, and the grayscale version is **51.0373, 53.6952, 58.4741**.

A 20% lighter version of the original color is **88.8258, 97.1773, 91.1663**, and **24.0926, 26.8050, 22.9729** is the 20% darker color. If you saturate the color by 10%, you get **46.1609, 53.0712, 39.7992**, and if you desaturate by 10%, it is **53.4349, 56.3645, 60.7676**.

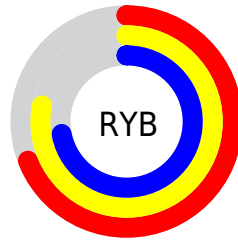
Distribution



Red (75%)

Green (78%)

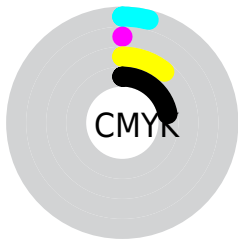
Blue (69%)



Red (69%)

Yellow (78%)

Blue (72%)

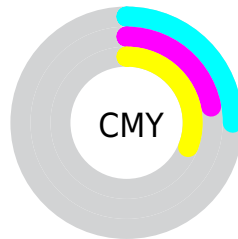


Cyan (4%)

Magenta (0%)

Yellow (11%)

Black (22%)



Cyan (25%)

Magenta (22%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6158, 54.6389, 49.5263 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 49.6158, 54.6389, 49.5263 by changing the saturation by 10% instead.

■ 49.6158, 54.6389,
49.5263

■ 49.6158, 54.6389,
49.5263

375.6385,
404.5417, 401.4925

■ 35.3248, 39.1127,
34.6686

■ 88.8006, 97.0117,
90.8617

■ 24.0808, 26.8474,
23.1262

114.4251,
124.6271, 118.1765

■ 15.5187, 17.4586,
14.4806

144.5581,
157.0409, 150.4807

■ 9.2729, 10.5620,
8.3131

179.5650,
194.6377, 188.1929

■ 4.9781, 5.7732,
4.2053

219.8111,
237.8018, 231.7317

■ 2.2691, 2.7076,
1.7386

265.6618,

■ 0.7788, 0.9811,

286.9175, 281.5155

0.3870

317.4825,
342.3693, 337.9629

■ 0.0000, 0.0000,
0.0000

■ 49.6158, 54.6389,
49.5263

■ 49.6158, 54.6389,
49.5263

■ 46.1609, 53.0712,
39.7992

■ 53.4349, 56.3645,
60.7676

■ 43.0526, 51.6489,
31.5180

■ 57.6264, 58.2460,
73.5803

■ 40.2782, 50.3685,
24.6144

■ 62.2034, 60.2907,
88.0230

■ 37.8224, 49.2239,
19.0134

■ 66.9830, 62.4253,
103.1266

■ 35.6685, 48.2083,
14.6328

■ 68.9901, 63.4600,
103.2206

■ 33.7981, 47.3141,
11.3807

■ 71.0767, 64.5356,
103.3182

■ 32.1903, 46.5329,
9.1527

■ 73.2436, 65.6527,
103.4196

■ 30.8204, 45.8547,
7.8247

■ 75.4918, 66.8117,
103.5248

■ 29.7075, 45.2942,
7.1769

■ 77.8220, 68.0130,
103.6339

Harmonies

Analogous

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



51.7431, 54.6389, 47.8201



49.6158, 54.6389, 49.5263



48.1443, 54.6389, 53.8833

Triad

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



49.6158, 54.6389, 49.5263



49.9353, 54.6389, 71.3247



56.4324, 54.6389, 58.9507

Complementary

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



49.6158, 54.6389, 49.5263



45.6845, 45.7133, 59.8447

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.



55.9146, 54.6389, 65.4780



49.6158, 54.6389, 49.5263



52.1226, 54.6389, 72.9247

Square

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



49.6158, 54.6389, 49.5263



48.3249, 54.6389, 66.4864



54.3205, 54.6389, 70.7133



55.7155, 54.6389, 53.0071

Rectangle

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



49.6158, 54.6389, 49.5263



47.7104, 54.6389, 57.8665



54.3205, 54.6389, 70.7133



56.3970, 54.6389, 61.1486

Sweetspot

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



49.6173, 54.6413, 49.5275



92.9103, 99.0364, 102.4982



48.3670, 49.4629, 48.5939



19.7664, 21.1437, 21.5819



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.



49.6173, 54.6413, 49.5275



86.2142, 96.0093, 82.9896



47.0707, 53.3284, 49.4083



11.1670, 12.2330, 11.3354



19.4123, 29.5027, 4.6715



0.9937, 1.4354, 0.2247

Inverse Universe

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



45.6845, 45.7133, 59.8447



77.7044, 76.6904, 105.3150



48.2938, 47.0585, 59.9668



10.3844, 10.4564, 13.3885



8.1728, 3.4475, 34.9790



0.4642, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 49.6158, 54.6389, 49.5263 looks on a white background.

Color Contrast Check

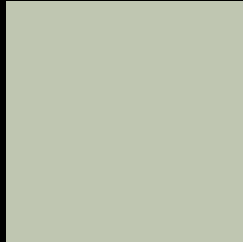
Large Text (above 18pt) WCAG AA × Fail

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 49.6158, 54.6389, 49.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

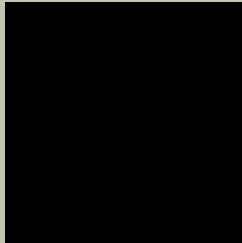
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

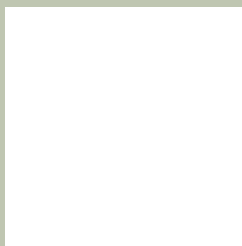
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6158, 54.6389, 49.5263

Background



This preview shows how black text looks on a background with the XYZ color 49.6158, 54.6389, 49.5263.



This preview shows how white text looks on a background with the XYZ color 49.6158, 54.6389,

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

49.6158, 54.6389, 49.5263

Protanopia

51.6583, 54.3752, 48.3302

Deuteranopia

55.6351, 54.4368, 50.2229



Tritanopia

53.3435, 54.4791, 68.0256

Trichromacy



Original Color

49.6158, 54.6389, 49.5263

Protanomaly

50.9048, 54.3069, 48.8736

Deuteranomaly

53.1800, 54.4689, 49.8301

Tritanomaly

51.8413, 54.5308, 60.6165

Monochromacy



Original Color

49.6158, 54.6389, 49.5263

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.5845, 53.9985, 55.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6158, 54.6389, 49.5263 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(191, 198, 177)` looks like.

```
.text, #text, p{  
    color:rgb(191, 198, 177)  
}
```

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(191, 198, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 198, 177) }
```

Border

The CSS property to change the border of an element to XYZ 49.6158, 54.6389, 49.5263 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(191, 198, 177) }
```


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

```
.border{ border-color:rgb(191, 198, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 198, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 198, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 198, 177);  
box-shadow:4px 4px 4px 4px rgb(191, 198,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6158, 54.6389, 49.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 198, 177) }
```

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

```
.background{ background-color: rgb(191,  
198, 177) }
```

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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