

Converting Colors

XYZ(49.7573, 54.9864, 40.3396)

Have a look what the booklet for
XYZ(49.7573, 54.9864, 40.3396)
contains.

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Color

**XYZ(49.6543, 54.8626,
40.3202)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C69E
RGB	198, 198, 158
RGB Percent	78%, 78%, 62%
CMY	0.2235, 0.2235, 0.3804
CMYK	0.00, 0.00, 0.20, 0.22
HSL	60°, 26%, 70%
HSV	60°, 20%, 78%
XYZ	49.6543, 54.8626, 40.3202
YIQ	193.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

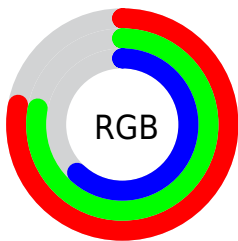
Format	Color
R_{YB}	158, 198, 158
Decimal	13026974
CIE _{Lab}	78.96, -6.62, 20.11
CIE _{LCh}	79, 21.170, 108.235
Yxy	54.8626, 0.3428, 0.3788
Android (android.graphics.Color)	4291217054 (0xFFC6C69E)
YUV	193.4400, -17.4719, 3.9991
Hunter-Lab	74.0693, -9.9591, 19.5735

Details

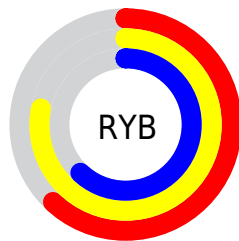
The XYZ color **49.6543, 54.8626, 40.3202** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.5227, 35.8015, 58.4147**, and the grayscale version is **51.0432, 53.7014, 58.4808**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **24.0764, 26.9164, 17.5621** is the 20% darker color. If you saturate the color by 10%, you get **48.0854, 54.2368, 32.0556**, and if you desaturate by 10%, it is **51.5007, 55.6031, 50.0335**.

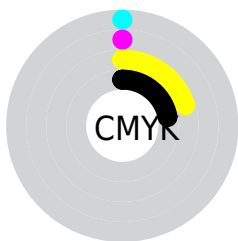
Distribution



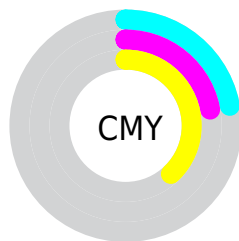
- Red (78%)
- Green (78%)
- Blue (62%)



- Red (62%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)




- Cyan (22%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6543, 54.8626, 40.3202 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 49.6543, 54.8626, 40.3202 by changing the saturation by 10% instead.


 49.6543, 54.8626,
40.3202


 49.6543, 54.8626,
40.3202


375.7869,
405.3909, 363.0635

 35.3555, 39.2917,
27.4726


 88.8574, 97.3396,
76.8933

 24.1046, 26.9867,
17.6929


 114.4923,
125.0145, 101.4558

 15.5364, 17.5633,
10.5626


144.6366,
157.4929, 130.7604

 9.2855, 10.6369,
5.6631

179.6557,
195.1592, 165.2257

 4.9864, 5.8232,
2.5759

219.9149,
238.3978, 205.2701

 2.2740, 2.7379,
0.8800

265.7796,

 0.7813, 0.9965,

287.5929, 251.3121

0.0000

317.6152,
343.1292, 303.7704

■ 0.0000, 0.0000,
0.0000

■ 49.6543, 54.8626,
40.3202

■ 49.6543, 54.8626,
40.3202

■ 48.0854, 54.2368,
32.0556

■ 51.5007, 55.6031,
50.0335

■ 46.7766, 53.7132,
25.1669

■ 53.6326, 56.4559,
61.2565

■ 45.7151, 53.2886,
19.5807


■ 56.0629, 57.4281,
74.0509

■ 44.8854, 52.9566,
15.2149


■ 58.8025, 58.5241,
88.4740

■ 44.2701, 52.7104,
11.9784


■ 61.5373, 59.6181,
102.8718


 43.8496, 52.5421,
9.7673

 61.5380, 59.6184,
102.8718

 43.6004, 52.4424,
8.4585

 61.5386, 59.6187,
102.8719

 43.4788, 52.3937,
7.8214

 61.5393, 59.6191,
102.8719

 61.5400, 59.6194,
102.8719

Harmonies

Analogous

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



53.8125, 54.8626, 39.8017



49.6543, 54.8626, 40.3202



46.3403, 54.8626, 45.5930

Triad

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



49.6543, 54.8626, 40.3202



46.9396, 54.8626, 78.7396



60.4739, 54.8626, 64.5864

Complementary

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



49.6543, 54.8626, 40.3202



36.5227, 35.8015, 58.4147

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.



58.4158, 54.8626, 76.5376



49.6543, 54.8626, 40.3202



50.5128, 54.8626, 85.4134

Square

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



49.6543, 54.8626, 40.3202



44.8320, 54.8626, 67.2840



54.7182, 54.8626, 84.5573



60.2135, 54.8626, 52.7748

Rectangle

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



49.6543, 54.8626, 40.3202



44.9864, 54.8626, 51.5493



54.7182, 54.8626, 84.5573



60.0260, 54.8626, 68.7467

Sweetspot

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



49.6557, 54.8650, 40.3214



92.6829, 99.0531, 96.4389



41.6889, 38.9294, 37.6654



19.7853, 21.1804, 20.3647



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.



49.6557, 54.8650, 40.3214



86.7123, 96.6646, 65.0092



44.7279, 52.3246, 40.0907



11.5238, 12.4170, 11.3521



28.2738, 34.0710, 5.0862



1.3388, 1.6133, 0.2408

Inverse Universe

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



36.5227, 35.8015, 58.4147



59.4961, 57.1585, 102.5047



40.7817, 37.9971, 58.6140



10.0568, 10.2876, 13.3731



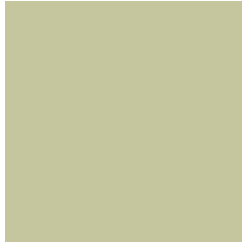
6.6291, 2.6517, 34.9068



0.3139, 0.1256, 1.6528

Previews

White Background



This preview shows how the XYZ color 49.6543, 54.8626, 40.3202 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 49.6543, 54.8626, 40.3202 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

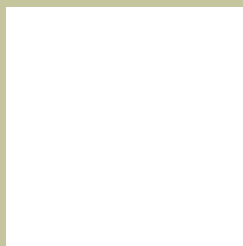
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6543, 54.8626, 40.3202

Background



This preview shows how black text looks on a background with the XYZ color 49.6543, 54.8626, 40.3202.



This preview shows how white text looks on a background with the XYZ color 49.6543, 54.8626,

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

49.6543, 54.8626, 40.3202

Protanopia

51.3330, 54.7299, 39.7567

Deuteranopia

56.0069, 54.8354, 40.8901



Tritanopia

54.6732, 54.5552, 66.0411

Trichromacy



Original Color

49.6543, 54.8626, 40.3202

Protanomaly

50.7276, 54.7515, 39.7928

Deuteranomaly

53.4265, 54.8014, 40.5627

Tritanomaly

52.8342, 54.8143, 55.9397

Monochromacy



Original Color

49.6543, 54.8626, 40.3202

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.2590, 53.9276, 50.9402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6543, 54.8626, 40.3202 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(198, 198, 158)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 158)  
}
```

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(198, 198, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.6543, 54.8626, 40.3202 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(198, 198, 158) }
```


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

```
.border{ border-color:rgb(198, 198, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 198, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 198, 158); box-shadow:4px 4px 4px 4px rgb(198, 198, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6543, 54.8626, 40.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 158) }
```

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

```
.background{ background-color: rgb(198,  
198, 158) }
```

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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