

Converting Colors

XYZ(49.9516, 55.1873, 40.5849)

Have a look what the booklet for
XYZ(49.9516, 55.1873, 40.5849)
contains.

XYZ(50.1482, 55.4576, 40.4090)	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(50.1482, 55.4576,
40.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	C7C79E
RGB	199, 199, 158
RGB Percent	78%, 78%, 62%
CMY	0.2196, 0.2196, 0.3804
CMYK	0.00, 0.00, 0.21, 0.22
HSL	60°, 27%, 70%
HSV	60°, 21%, 78%
XYZ	50.1482, 55.4576, 40.4090
YIQ	194.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

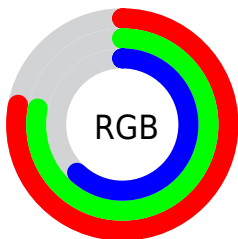
Format	Color
R_{YB}	158, 199, 158
Decimal	13092766
CIE Lab	79.30, -6.77, 20.59
CIE LCh	79, 21.675, 108.195
Yxy	55.4576, 0.3434, 0.3798
Android (android.graphics.Color)	4291282846 (0xFFC7C79E)
YUV	194.3260, -17.9087, 4.0991
Hunter-Lab	74.4699, -10.1199, 19.9568

Details

The XYZ color **50.1482, 55.4576, 40.4090** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.6383, 35.8477, 59.0242**, and the grayscale version is **51.5699, 54.2555, 59.0843**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **24.4040, 27.3111, 17.6210** is the 20% darker color. If you saturate the color by 10%, you get **48.5722, 54.8290, 32.1062**, and if you desaturate by 10%, it is **52.0046, 56.2021, 50.1751**.

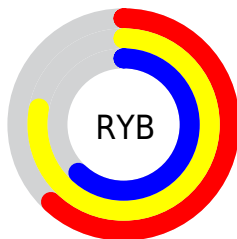
Distribution



Red (78%)

Green (78%)

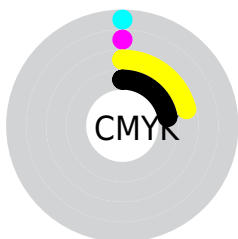
Blue (62%)



Red (62%)

Yellow (78%)

Blue (62%)

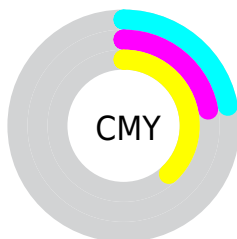


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1482, 55.4576, 40.4090 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 50.1482, 55.4576, 40.4090 by changing the saturation by 10% instead.


 50.1482, 55.4576,
40.4090


 50.1482, 55.4576,
40.4090


377.6876,
407.6442, 363.4477

 35.7494, 39.7682,
27.5414


 89.5849, 98.2111,
77.0298

 24.4100, 27.3579,
17.7442


 115.3536,
126.0440, 101.6201

 15.7644, 17.8422,
10.5990

145.6430,
158.6935, 130.9550

 9.4474, 10.8367,
5.6871

180.8184,
196.5440, 165.4530

 5.0936, 5.9572,
2.5901

221.2452,
239.9800, 205.5328

 2.3376, 2.8190,
0.8873

267.2888,

 0.8138, 1.0380,

289.3857, 251.6128

0.0000

319.3145,
345.1457, 304.1116

■ 0.0000, 0.0000,
0.0000

■ 50.1482, 55.4576,
40.4090

■ 50.1482, 55.4576,
40.4090

■ 48.5722, 54.8290,
32.1062

■ 52.0046, 56.2021,
50.1751

■ 47.2588, 54.3036,
25.1929

■ 54.1494, 57.0601,
61.4665

■ 46.1951, 53.8780,
19.5945


■ 56.5957, 58.0387,
74.3459


■ 45.3652, 53.5460,
15.2275


■ 59.3547, 59.1423,
88.8712


■ 44.7516, 53.3005,
11.9993


■ 62.0308, 60.2129,
102.9606


 44.3341, 53.1335,
9.8039


 62.0314, 60.2131,
102.9606

 44.0890, 53.0353,
8.5158

 62.0319, 60.2134,
102.9607

 43.9734, 52.9891,
7.9103

 62.0325, 60.2137,
102.9607

 62.0331, 60.2140,
102.9607

Harmonies

Analogous

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



54.4363, 55.4576, 39.8839



50.1482, 55.4576, 40.4090



46.7327, 55.4576, 45.8147

Triad

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



50.1482, 55.4576, 40.4090



47.3422, 55.4576, 80.0048



61.3070, 55.4576, 65.4057

Complementary

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



50.1482, 55.4576, 40.4090



36.6383, 35.8477, 59.0242

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.



59.1781, 55.4576, 77.7544



50.1482, 55.4576, 40.4090



51.0221, 55.4576, 86.9241

Square

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



50.1482, 55.4576, 40.4090



45.1750, 55.4576, 68.1567



55.3592, 55.4576, 86.0482



61.0412, 55.4576, 53.2257

Rectangle

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



50.1482, 55.4576, 40.4090



45.3374, 55.4576, 51.9356



55.3592, 55.4576, 86.0482



60.8431, 55.4576, 69.7020

Sweetspot

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



50.1496, 55.4601, 40.4102



92.6830, 99.0531, 96.4389



41.9534, 39.0658, 37.6777



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.



50.1496, 55.4601, 40.4102



86.4290, 96.5513, 63.5156



45.0721, 52.8425, 40.1726



11.5238, 12.4170, 11.3521



28.2744, 34.0713, 5.0862



1.3388, 1.6133, 0.2408

Inverse Universe

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



36.6383, 35.8477, 59.0242



58.2859, 55.7004, 102.2870



41.0123, 38.1027, 59.2289



10.0568, 10.2876, 13.3731



6.6290, 2.6516, 34.9068



0.3139, 0.1256, 1.6528

Previews

White Background



This preview shows how the XYZ color 50.1482, 55.4576, 40.4090 looks on a white background.

Color Contrast Check

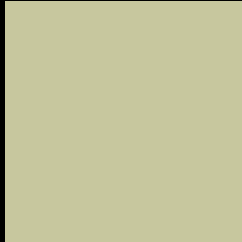
Large Text (above 18pt) WCAG AA × Fail

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 50.1482, 55.4576, 40.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

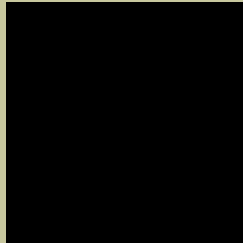
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1482, 55.4576, 40.4090

Background



This preview shows how black text looks on a background with the XYZ color 50.1482, 55.4576, 40.4090.



This preview shows how white text looks on a background with the XYZ color 50.1482, 55.4576,

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

50.1482, 55.4576, 40.4090

Protanopia

52.1202, 55.4695, 39.8579

Deuteranopia

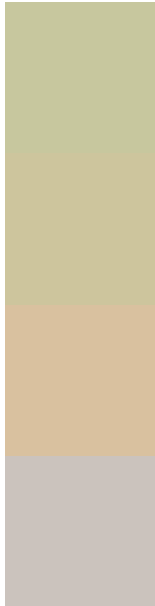
56.5377, 55.4272, 40.9764



Tritanopia

55.5657, 55.3261, 66.7819

Trichromacy



Original Color

50.1482, 55.4576, 40.4090

Protanomaly

51.2289, 55.3460, 39.8811

Deuteranomaly

53.9432, 55.3948, 40.6500

Tritanomaly

53.3290, 55.4008, 56.0268

Monochromacy



Original Color

50.1482, 55.4576, 40.4090

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.8454, 54.5518, 51.5658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1482, 55.4576, 40.4090 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(199, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 199, 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(199, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 199, 158) }
```

Border

The CSS property to change the border of an element to XYZ 50.1482, 55.4576, 40.4090 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(199, 199, 158) }
```


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

```
.border{ border-color:rgb(199, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(199, 199,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1482, 55.4576, 40.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 199, 158) }
```

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

```
.background{ background-color: rgb(199,  
199, 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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