

Converting Colors

XYZ(49.2959, 54.2434, 50.0116)

Have a look what the booklet for
XYZ(49.2959, 54.2434, 50.0116)
contains.

XYZ(49.2373, 54.0940, 49.9656)	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(49.2373, 54.0940,
49.9656)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC5B2
RGB	190, 197, 178
RGB Percent	75%, 77%, 70%
CMY	0.2549, 0.2274, 0.3020
CMYK	0.04, 0.00, 0.10, 0.23
HSL	82°, 14%, 74%
HSV	82°, 10%, 77%
XYZ	49.2373, 54.0940, 49.9656
YIQ	192.7410, 1.9270, -7.3930

Conversions

Conversions Part 2

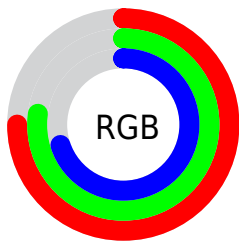
Format	Color
RYB	178, 197, 185
Decimal	12502450
CIELab	78.52, -5.83, 8.69
CIELCh	79, 10.471, 123.862
Yxy	54.0940, 0.3212, 0.3529
Android (android.graphics.Color)	4290692530 (0xFFBEC5B2)
YUV	192.7410, -7.2673, -2.4039
Hunter-Lab	73.5486, -9.2128, 11.2051

Details

The XYZ color **49.2373, 54.0940, 49.9656** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0082, 46.1878, 59.3164**, and the grayscale version is **50.5782, 53.2123, 57.9481**.

A 20% lighter version of the original color is **88.2991, 96.4170, 91.7984**, and **23.8407, 26.4440, 23.2497** is the 20% darker color. If you saturate the color by 10%, you get **45.6315, 52.4491, 40.2024**, and if you desaturate by 10%, it is **53.2206, 55.9038, 61.2316**.

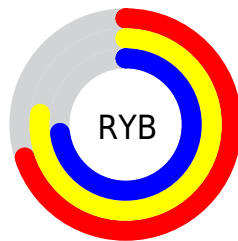
Distribution



Red (75%)

Green (77%)

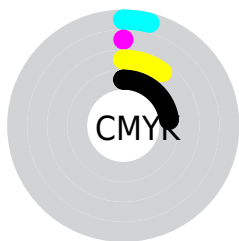
Blue (70%)



Red (70%)

Yellow (77%)

Blue (73%)

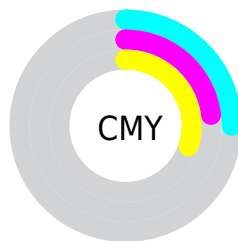


Cyan (4%)

Magenta (0%)

Yellow (10%)

Black (23%)



Cyan (25%)

Magenta (23%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2373, 54.0940, 49.9656 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 49.2373, 54.0940, 49.9656 by changing the saturation by 10% instead.

■ 49.2373, 54.0940,
49.9656

■ 49.2373, 54.0940,
49.9656

374.1773,
402.4684, 403.2626

■ 35.0231, 38.6768,
35.0151

■ 88.2424, 96.2123,
91.5197

■ 23.8472, 26.5084,
23.3908

113.7640,
123.6821, 118.9603

■ 15.3445, 17.2044,
14.6744

143.7854,
155.9383, 151.4014

■ 9.1494, 10.3803,
8.4471

178.6720,
193.3653, 189.2615

■ 4.8966, 5.6518,
4.2905

218.7891,
236.3473, 232.9591

■ 2.2209, 2.6346,
1.7860

264.5021,

■ 0.7537, 0.9441,

285.2690, 282.9128

0.4187

316.1764,
340.5145, 339.5411

■ 0.0000, 0.0000,
0.0000

■ 49.2373, 54.0940,
49.9656

■ 49.2373, 54.0940,
49.9656

■ 45.6315, 52.4491,
40.2024

■ 53.2206, 55.9038,
61.2316

■ 42.3853, 50.9566,
31.8750

■ 57.5895, 57.8768,
74.0565

■ 39.4860, 49.6130,
24.9165

■ 62.3575, 60.0200,
88.4981

■ 36.9183, 48.4119,
19.2531

■ 67.2442, 62.2217,
103.0736

■ 34.6655, 47.3467,
14.8045

■ 69.4773, 63.3729,
103.1781

■ 32.7092, 46.4097,
11.4811

■ 71.8069, 64.5738,
103.2871

■ 31.0286, 45.5925,
9.1811

■ 74.2341, 65.8251,
103.4007

■ 29.5993, 44.8851,
7.7842

■ 76.7601, 67.1273,
103.5189

■ 28.3779, 44.2700,
7.0693

■ 79.2573, 68.4147,
103.6358

Harmonies

Analogous

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



51.1481, 54.0940, 48.2822



49.2373, 54.0940, 49.9656



47.9373, 54.0940, 54.0379

Triad

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



49.2373, 54.0940, 49.9656



49.6880, 54.0940, 69.6908



55.4723, 54.0940, 58.1377

Complementary

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



49.2373, 54.0940, 49.9656



46.0082, 46.1878, 59.3164

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.



55.0564, 54.0940, 64.0436



49.2373, 54.0940, 49.9656



51.6822, 54.0940, 70.9685

Square

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



49.2373, 54.0940, 49.9656



48.1926, 54.0940, 65.4545



53.6554, 54.0940, 68.8388



54.7773, 54.0940, 52.7968

Rectangle

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



49.2373, 54.0940, 49.9656



47.5730, 54.0940, 57.6936



53.6554, 54.0940, 68.8388



55.4579, 54.0940, 60.1214

Sweetspot

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



49.2388, 54.0963, 49.9668



92.8128, 98.9862, 102.4936



48.4058, 49.7705, 49.1757



19.7401, 21.1301, 21.5807



0.0000, 0.0000, 0.0000



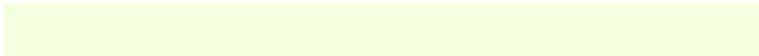
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2388, 54.0963, 49.9668



86.4806, 96.1069, 84.7982



46.9506, 52.9168, 49.8597



11.1303, 12.2141, 11.3337



18.7320, 29.1520, 4.6396



0.9648, 1.4205, 0.2233

Inverse Universe

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



46.0082, 46.1878, 59.3164



79.2986, 78.5244, 105.5850



48.3685, 47.4046, 59.4269



10.4197, 10.4746, 13.3901



8.5014, 3.6169, 34.9944



0.4822, 0.2123, 1.6607

Previews

White Background



This preview shows how the XYZ color 49.2373, 54.0940, 49.9656 looks on a white background.

Color Contrast Check

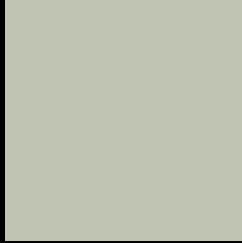
Large Text (above 18pt) WCAG AA × Fail

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 49.2373, 54.0940, 49.9656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

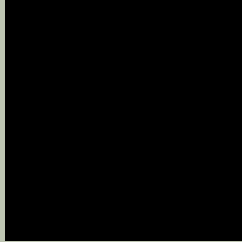
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

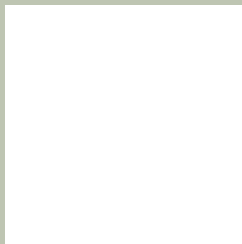
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2373, 54.0940, 49.9656

Background



This preview shows how black text looks on a background with the XYZ color 49.2373, 54.0940, 49.9656.



This preview shows how white text looks on a background with the XYZ color 49.2373, 54.0940,

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

49.2373, 54.0940, 49.9656

Protanopia

51.2636, 53.8311, 48.7629

Deuteranopia

54.9220, 53.7414, 50.6584



Tritanopia

52.7033, 54.1633, 67.3513

Trichromacy



Original Color

49.2373, 54.0940, 49.9656

Protanomaly

50.5163, 53.7637, 49.3099

Deuteranomaly

52.7799, 53.9262, 50.2748

Tritanomaly

51.3621, 53.9522, 60.5301

Monochromacy



Original Color

49.2373, 54.0940, 49.9656

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.1071, 53.4209, 55.2473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2373, 54.0940, 49.9656 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, 197, 178)` looks like.

```
.text, #text, p{  
    color:rgb(190, 197, 178)  
}
```

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, 197, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 197, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.2373, 54.0940, 49.9656 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, 197, 178) }
```


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

```
.border{ border-color:rgb(190, 197, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 197, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 197, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 197, 178);  
box-shadow:4px 4px 4px 4px rgb(190, 197,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2373, 54.0940, 49.9656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 197, 178) }
```

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

```
.background{ background-color: rgb(190,  
197, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor