

Converting Colors

XYZ(47.7565, 50.1503, 54.0717)

Have a look what the booklet for
XYZ(47.7565, 50.1503, 54.0717)
contains.

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Color

**XYZ(47.9391, 50.3731,
54.2100)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBCBB
RGB	189, 188, 187
RGB Percent	74%, 74%, 73%
CMY	0.2588, 0.2627, 0.2667
CMYK	0.00, 0.01, 0.01, 0.26
HSL	30°, 1%, 74%
HSV	30°, 1%, 74%
XYZ	47.9391, 50.3731, 54.2100
YIQ	188.1850, 0.9170, -0.0990

Conversions

Conversions Part 2

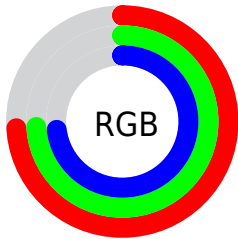
Format	Color
RYB	189, 189, 187
Decimal	12434619
CIELab	76.30, 0.17, 0.62
CIELCh	76, 0.642, 74.748
Yxy	50.3731, 0.3143, 0.3303
Android (android.graphics.Color)	4290624699 (0xFFBDBCBB)
YUV	188.1850, -0.5842, 0.7148
Hunter-Lab	70.9740, -3.6374, 4.3961

Details

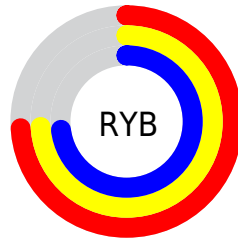
The XYZ color **47.9391, 50.3731, 54.2100** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.6620, 50.2046, 55.3232**, and the grayscale version is **47.9091, 50.4041, 54.8901**.

A 20% lighter version of the original color is **86.1845, 90.5849, 97.7362**, and **23.1204, 24.2834, 26.0228** is the 20% darker color. If you saturate the color by 10%, you get **44.1012, 45.7245, 43.5966**, and if you desaturate by 10%, it is **52.1775, 55.3952, 66.2720**.

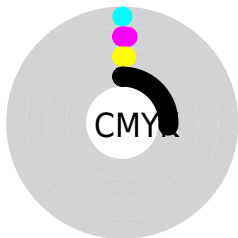
Distribution



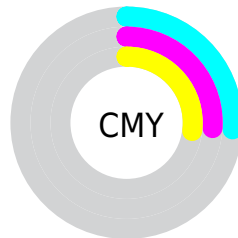
- Red (74%)
- Green (74%)
- Blue (73%)



- Red (74%)
- Yellow (74%)
- Blue (73%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (26%)



- Cyan (26%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9391, 50.3731, 54.2100 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 47.9391, 50.3731, 54.2100 by changing the saturation by 10% instead.

■ 47.9391, 50.3731,
54.2100

■ 47.9391, 50.3731,
54.2100

369.1373,
388.1232, 420.1075

■ 33.9897, 35.7099,
38.3753

■ 86.3240, 90.7274,
97.8420

■ 23.0485, 24.2103,
25.9700

111.4902,
117.1874, 126.4764

■ 14.7503, 15.4897,
16.5756

141.1260,
148.3484, 160.2144

■ 8.7295, 9.1638,
9.7736

175.5968,
184.5949, 199.4745

■ 4.6208, 4.8482,
5.1455

215.2680,
226.3112, 244.6754

■ 2.0590, 2.1584,
2.2727

260.5049,

■ 0.6668, 0.6972,

273.8818, 296.2355

0.7158

311.6729,
327.6910, 354.5733

■ 0.0000, 0.0000,
0.0000

■ 47.9391, 50.3731,
54.2100

■ 47.9391, 50.3731,
54.2100

■ 44.1012, 45.7245,
43.5966

■ 52.1775, 55.3952,
66.2720

■ 40.6467, 41.4339,
34.3732

■ 56.8244, 60.7930,
79.8315

■ 37.5635, 37.4938,
26.4824

■ 61.8927, 66.5772,
94.9392

■ 34.8373, 33.8942,
19.8610

■ 66.1453, 72.2564,
105.0684

■ 32.4524, 30.6247,
14.4411

■ 68.7723, 77.5104,
105.9441

■ 30.3921, 27.6740,
10.1480

■ 71.5421, 83.0500,
106.8673

■ 28.6380, 25.0299,
6.8988

■ 74.4568, 88.8795,
107.8389

■ 27.1691, 22.6794,
4.5987

■ 74.7965, 89.5590,
107.9522

■ 25.9612, 20.6076,
3.1356

Harmonies

Analogous

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



48.0429, 50.3731, 54.3819



47.9391, 50.3731, 54.2100



47.8192, 50.3731, 54.2085

Triad

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



47.9391, 50.3731, 54.2100



47.6544, 50.3731, 55.0169



48.0414, 50.3731, 55.3204

Complementary

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



47.9391, 50.3731, 54.2100



47.6620, 50.2046, 55.3232

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.



47.9371, 50.3731, 55.4920



47.9391, 50.3731, 54.2100



47.7137, 50.3731, 55.3162

Square

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



47.9391, 50.3731, 54.2100



47.6549, 50.3731, 54.6734



47.8172, 50.3731, 55.4905



48.1020, 50.3731, 55.0225

Rectangle

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



47.9391, 50.3731, 54.2100



47.7462, 50.3731, 54.3043



47.8172, 50.3731, 55.4905



48.0103, 50.3731, 55.3948

Sweetspot

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



47.9405, 50.3753, 54.2111



86.6293, 91.1408, 99.2523



47.8344, 49.9910, 54.7057



18.6292, 19.5994, 21.3438



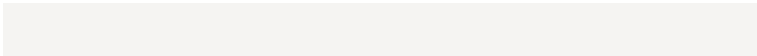
90.7827, 95.5105, 104.0109

Same Dimension

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



47.9405, 50.3753, 54.2111



85.8909, 90.2575, 97.1764



48.1542, 50.8026, 54.2823



10.6379, 11.1798, 12.0478



16.9391, 12.9170, 1.6004



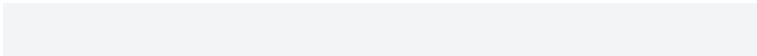
0.7289, 0.6368, 0.0845

Inverse Universe

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



47.6620, 50.2046, 55.3232



85.4118, 89.9640, 99.0893



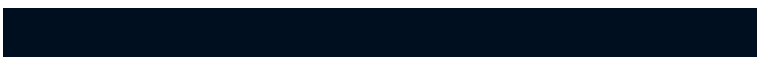
47.4499, 49.7803, 55.2524



10.5833, 11.1464, 12.2659



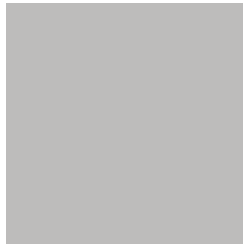
8.9606, 8.0329, 33.4711



0.4164, 0.4455, 1.3329

Previews

White Background



This preview shows how the XYZ color 47.9391, 50.3731, 54.2100 looks on a white background.

Color Contrast Check

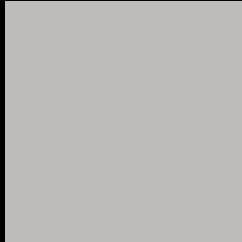
Large Text (above 18pt) WCAG AA × Fail

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 47.9391, 50.3731, 54.2100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

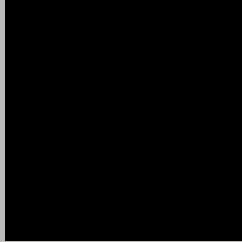
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

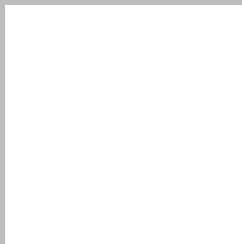
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.9391, 50.3731, 54.2100

Background



This preview shows how black text looks on a background with the XYZ color 47.9391, 50.3731, 54.2100.



This preview shows how white text looks on a background with the XYZ color 47.9391, 50.3731,

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

47.9391, 50.3731, 54.2100

Protanopia

48.4782, 50.3350, 54.1743

Deuteranopia

51.2586, 50.2085, 54.5665



Tritanopia

49.5874, 50.4112, 62.3751

Trichromacy



Original Color

47.9391, 50.3731, 54.2100

Protanomaly

48.2258, 50.2049, 54.1624

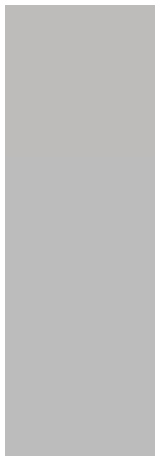
Deuteranomaly

50.0370, 50.1912, 54.6276

Tritanomaly

48.9693, 50.4733, 59.3859

Monochromacy



Original Color

47.9391, 50.3731, 54.2100

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7994, 50.2886, 54.7643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9391, 50.3731, 54.2100 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(189, 188, 187)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 187)  
}
```

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(189, 188, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 187) }
```

Border

The CSS property to change the border of an element to XYZ 47.9391, 50.3731, 54.2100 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(189, 188, 187) }
```

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

```
.border{ border-color:rgb(189, 188, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 187);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
187) }
```


Background

The CSS property to change the background color of an element to XYZ 47.9391, 50.3731, 54.2100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 187) }
```

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

```
.background{ background-color: rgb(189,  
188, 187) }
```

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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