

Converting Colors

XYZ(47.3702, 50.1607, 52.6917)

Have a look what the booklet for
XYZ(47.3702, 50.1607, 52.6917)
contains.

XYZ(47.3740, 50.1185, 52.5244)	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(47.3740, 50.1185,
52.5244)**

Conversions

Conversions Part 1

Format	Color
Hex	BCBCB8
RGB	188, 188, 184
RGB Percent	74%, 74%, 72%
CMY	0.2627, 0.2627, 0.2784
CMYK	0.00, 0.00, 0.02, 0.26
HSL	60°, 3%, 73%
HSV	60°, 2%, 74%
XYZ	47.3740, 50.1185, 52.5244
YIQ	187.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

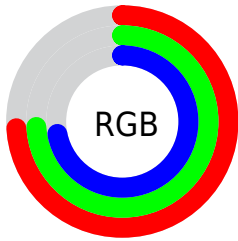
Format	Color
R_{YB}	184, 188, 184
Decimal	12369080
CIE Lab	76.14, -0.73, 2.01
CIE LCh	76, 2.139, 109.948
Yxy	50.1185, 0.3158, 0.3341
Android (android.graphics.Color)	4290559160 (0xFFBCBCB8)
YUV	187.5440, -1.7472, 0.3999
Hunter-Lab	70.7944, -4.4421, 5.5672

Details

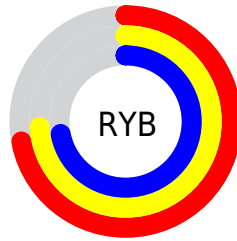
The XYZ color **47.3740, 50.1185, 52.5244** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9867, 48.1036, 54.4407**, and the grayscale version is **47.5517, 50.0281, 54.4806**.

A 20% lighter version of the original color is **85.3871, 90.2257, 95.3530**, and **22.7524, 24.1175, 24.9287** is the 20% darker color. If you saturate the color by 10%, you get **45.5295, 49.3818, 42.8253**, and if you desaturate by 10%, it is **49.4833, 50.9643, 63.6052**.

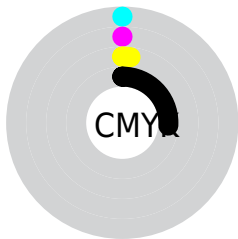
Distribution



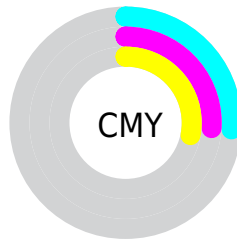
- Red (74%)
- Green (74%)
- Blue (72%)



- Red (72%)
- Yellow (74%)
- Blue (72%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)



- Cyan (26%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3740, 50.1185, 52.5244 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 47.3740, 50.1185, 52.5244 by changing the saturation by 10% instead.

■ 47.3740, 50.1185,
52.5244

■ 47.3740, 50.1185,
52.5244

366.9294,
387.1292, 413.4722

■ 33.5406, 35.5076,
37.0381

■ 85.4870, 90.3504,
95.3386

■ 22.7021, 24.0541,
24.9410

110.4972,
116.7402, 123.5036

■ 14.4932, 15.3738,
15.8145

139.9639,
147.8251, 156.7319

■ 8.5485, 9.0821,
9.2400

174.2522,
183.9894, 195.4421

■ 4.5026, 4.7948,
4.7991

213.7275,
225.6175, 240.0527

■ 1.9902, 2.1274,
2.0732

258.7553,

■ 0.6285, 0.6800,

273.0940, 290.9822

0.5998

309.7008,
326.8030, 348.6492

■ 0.0000, 0.0000,
0.0000

■ 47.3740, 50.1185,
52.5244

■ 47.3740, 50.1185,
52.5244

■ 45.5295, 49.3818,
42.8253

■ 49.4833, 50.9643,
63.6052

■ 43.9352, 48.7437,
34.4506

■ 51.8629, 51.9166,
76.1156

■ 42.5818, 48.2019,
27.3439

■ 54.5233, 52.9812,
90.1049

■ 41.4575, 47.7517,
21.4435

■ 56.7891, 53.8880,
102.0160

■ 40.5494, 47.3880,
16.6823

■ 56.7931, 53.8900,
102.0162

■ 39.8438, 47.1053,
12.9870

■ 56.7970, 53.8920,
102.0164

■ 39.3251, 46.8974,
10.2755

■ 56.8009, 53.8940,
102.0166

■ 38.9753, 46.7570,
8.4539

■ 56.8048, 53.8960,
102.0168

■ 38.7732, 46.6757,
7.4101

■ 56.8087, 53.8980,
102.0170

Harmonies

Analogous

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



47.7706, 50.1185, 52.4285



47.3740, 50.1185, 52.5244



47.0493, 50.1185, 53.1642

Triad

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



47.3740, 50.1185, 52.5244



47.1425, 50.1185, 56.2754



48.3981, 50.1185, 54.9562

Complementary

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



47.3740, 50.1185, 52.5244



45.9867, 48.1036, 54.4407

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.



48.2278, 50.1185, 56.0014



47.3740, 50.1185, 52.5244



47.5019, 50.1185, 56.7701

Square

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



47.3740, 50.1185, 52.5244



46.9162, 50.1185, 55.3261



47.8992, 50.1185, 56.6691



48.3634, 50.1185, 53.8219

Rectangle

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



47.3740, 50.1185, 52.5244



46.9167, 50.1185, 53.8181



47.8992, 50.1185, 56.6691



48.3629, 50.1185, 55.3299

Sweetspot

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



47.3754, 50.1207, 52.5255



86.2576, 90.9920, 97.2988



46.5328, 48.4343, 52.2444



18.5534, 19.5691, 20.9451



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



47.3754, 50.1207, 52.5255



85.5290, 90.7004, 93.4696



46.8865, 49.8686, 52.5026



10.5557, 11.2139, 11.4101



26.3379, 31.7536, 4.7409



1.0319, 1.2439, 0.1857

Inverse Universe

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



45.9867, 48.1036, 54.4407



81.9469, 85.4973, 98.4098



46.4688, 48.3521, 54.4633



10.0141, 10.4271, 12.1570



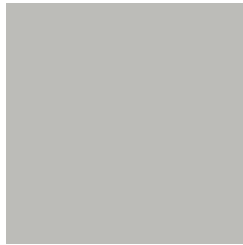
6.1818, 2.4729, 32.5444



0.2424, 0.0970, 1.2748

Previews

White Background



This preview shows how the XYZ color 47.3740, 50.1185, 52.5244 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 47.3740, 50.1185, 52.5244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

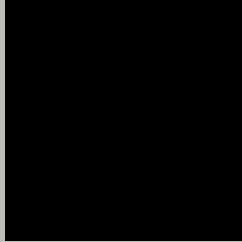
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

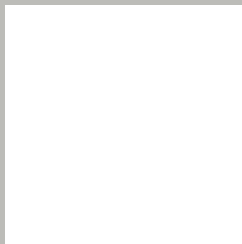
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.3740, 50.1185, 52.5244

Background



This preview shows how black text looks on a background with the XYZ color 47.3740, 50.1185, 52.5244.



This preview shows how white text looks on a background with the XYZ color 47.3740, 50.1185,

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

47.3740, 50.1185, 52.5244

Protanopia

48.0558, 50.1660, 51.9499

Deuteranopia

51.2170, 50.2241, 52.8937



Tritanopia

49.2194, 50.2351, 61.7458

Trichromacy



Original Color

47.3740, 50.1185, 52.5244

Protanomaly

47.8034, 50.0359, 51.9381

Deuteranomaly

49.7169, 50.0631, 52.9417

Tritanomaly

48.4942, 50.2545, 58.1831

Monochromacy



Original Color

47.3740, 50.1185, 52.5244

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6919, 50.2457, 54.1985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3740, 50.1185, 52.5244 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(188, 188, 184)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 184)  
}
```

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(188, 188, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 184) }
```

Border

The CSS property to change the border of an element to XYZ 47.3740, 50.1185, 52.5244 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(188, 188, 184) }
```


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

```
.border{ border-color:rgb(188, 188, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 184);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3740, 50.1185, 52.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 184) }
```

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

```
.background{ background-color: rgb(188,  
188, 184) }
```

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