

Converting Colors

XYZ(46.3159, 49.6626, 47.8837)

Have a look what the booklet for
XYZ(46.3159, 49.6626, 47.8837)
contains.

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Color

**XYZ(46.2146, 49.6264,
47.7005)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBCAF
RGB	187, 188, 175
RGB Percent	73%, 74%, 69%
CMY	0.2667, 0.2627, 0.3137
CMYK	0.01, 0.00, 0.07, 0.26
HSL	65°, 9%, 71%
HSV	65°, 7%, 74%
XYZ	46.2146, 49.6264, 47.7005
YIQ	186.2190, 3.5770, -4.2550

Conversions

Conversions Part 2

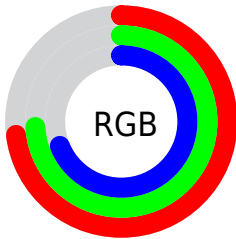
Format	Color
RYB	175, 188, 176
Decimal	12303535
CIELab	75.84, -2.69, 6.45
CIELCh	76, 6.984, 112.624
Yxy	49.6264, 0.3220, 0.3457
Android (android.graphics.Color)	4290493615 (0xFFBBBCAF)
YUV	186.2190, -5.5310, 0.6849
Hunter-Lab	70.4460, -6.1794, 9.1657

Details

The XYZ color **46.2146, 49.6264, 47.7005** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.3135, 43.5222, 53.7501**, and the grayscale version is **46.8247, 49.2632, 53.6476**.

A 20% lighter version of the original color is **83.7366, 89.5256, 88.4681**, and **22.0706, 23.8263, 22.1746** is the 20% darker color. If you saturate the color by 10%, you get **44.1425, 48.7583, 38.6265**, and if you desaturate by 10%, it is **48.5502, 50.6035, 58.1309**.

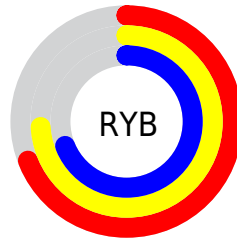
Distribution



Red (73%)

Green (74%)

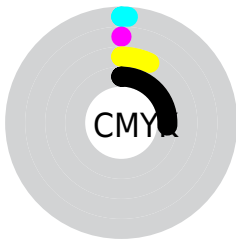
Blue (69%)



Red (69%)

Yellow (74%)

Blue (69%)

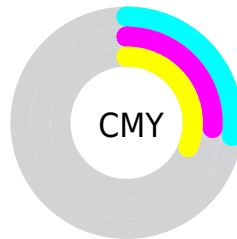


Cyan (1%)

Magenta (0%)

Yellow (7%)

Black (26%)



Cyan (27%)

Magenta (26%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2146, 49.6264, 47.7005 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 46.2146, 49.6264, 47.7005 by changing the saturation by 10% instead.

■ 46.2146, 49.6264,
47.7005

■ 46.2146, 49.6264,
47.7005

362.3722,
385.2031, 394.0782

■ 32.6205, 35.1166,
33.2315

■ 83.7660, 89.6211,
88.1192

■ 21.9938, 23.7527,
22.0313

108.4540,
115.8748, 114.9060

■ 13.9689, 15.1503,
13.6813

137.5707,
146.8120, 146.6357

■ 8.1806, 8.9249,
7.7632

171.4815,
182.8169, 183.7270

■ 4.2635, 4.6923,
3.8582

210.5517,
224.2742, 226.5983

■ 1.8523, 2.0679,
1.5479

255.1466,

■ 0.5489, 0.6465,

271.5680, 275.6683

0.2532

305.6317,
325.0829, 331.3554

■ 0.0000, 0.0000,
0.0000

■ 46.2146, 49.6264,
47.7005

■ 46.2146, 49.6264,
47.7005

■ 44.1425, 48.7583,
38.6265

■ 48.5502, 50.6035,
58.1309

■ 42.3191, 47.9886,
30.8501

■ 51.1551, 51.6871,
69.9669

■ 40.7346, 47.3148,
24.3128

■ 54.0402, 52.8832,
83.2592

■ 39.3768, 46.7321,
18.9506

■ 57.2143, 54.1953,
98.0549

■ 38.2324, 46.2352,
14.6936

■ 58.3484, 54.6918,
102.0890

■ 37.2867, 45.8182,
11.4646

■ 58.7234, 54.8851,
102.1066

■ 36.5232, 45.4744,
9.1764

■ 59.1020, 55.0803,
102.1243

■ 35.9225, 45.1962,
7.7275

■ 59.4843, 55.2774,
102.1422

■ 35.4582, 44.9729,
6.9783

■ 59.8702, 55.4763,
102.1602

Harmonies

Analogous

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



47.4896, 49.6264, 47.2501



46.2146, 49.6264, 47.7005



45.2123, 49.6264, 49.8099

Triad

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



46.2146, 49.6264, 47.7005



45.6692, 49.6264, 59.9176



49.6877, 49.6264, 54.9577

Complementary

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



46.2146, 49.6264, 47.7005



42.3135, 43.5222, 53.7501

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.



49.1801, 49.6264, 58.4919



46.2146, 49.6264, 47.7005



46.8487, 49.6264, 61.4396

Square

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



46.2146, 49.6264, 47.7005



44.9015, 49.6264, 56.8319



48.1352, 49.6264, 60.9062



49.5104, 49.6264, 51.3309

Rectangle

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



46.2146, 49.6264, 47.7005



44.8259, 49.6264, 51.9276



48.1352, 49.6264, 60.9062



49.5912, 49.6264, 56.1980

Sweetspot

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



46.2160, 49.6286, 47.7016



85.7607, 90.7781, 95.3652



43.9777, 44.7862, 46.8849



18.4520, 19.5254, 20.5503



90.7827, 95.5105, 104.0109



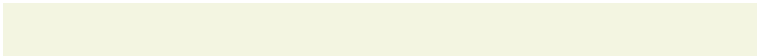
18.6292, 19.5994, 21.3438

Same Dimension

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



46.2160, 49.6286, 47.7016



83.2738, 89.7379, 84.3209



44.6931, 48.8435, 47.6303



10.2476, 11.0821, 10.1756



24.0795, 30.5893, 4.6352



0.9650, 1.2095, 0.1826

Inverse Universe

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



42.3135, 43.5222, 53.7501



75.0273, 76.8343, 97.1023



43.7867, 44.2817, 53.8190



9.0829, 9.2596, 11.9808



6.3347, 2.5517, 32.5516



0.2716, 0.1121, 1.2762

Previews

White Background



This preview shows how the XYZ color 46.2146, 49.6264, 47.7005 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 46.2146, 49.6264, 47.7005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

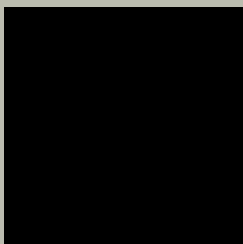
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

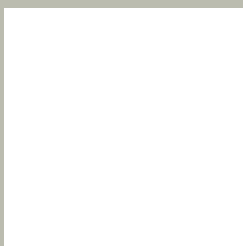
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2146, 49.6264, 47.7005

Background



This preview shows how black text looks on a background with the XYZ color 46.2146, 49.6264, 47.7005.



This preview shows how white text looks on a background with the XYZ color 46.2146, 49.6264,

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

46.2146, 49.6264, 47.7005

Protanopia

47.1912, 49.5113, 47.1138

Deuteranopia

50.5516, 49.3722, 48.4604



Tritanopia

48.9352, 49.4809, 61.0044

Trichromacy



Original Color

46.2146, 49.6264, 47.7005

Protanomaly

46.8962, 49.6730, 47.1606

Deuteranomaly

48.8574, 49.4191, 48.0381

Tritanomaly

47.8784, 49.3628, 55.7197

Monochromacy



Original Color

46.2146, 49.6264, 47.7005

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4635, 49.3572, 51.3340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2146, 49.6264, 47.7005 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(187, 188, 175)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 175)  
}
```

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(187, 188, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 175) }
```

Border

The CSS property to change the border of an element to XYZ 46.2146, 49.6264, 47.7005 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(187, 188, 175) }
```


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

```
.border{ border-color:rgb(187, 188, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 175);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2146, 49.6264, 47.7005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 175) }
```

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

```
.background{ background-color: rgb(187,  
188, 175) }
```

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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