

Converting Colors

XYZ(47.7330, 53.5073, 26.6679)

Have a look what the booklet for
XYZ(47.7330, 53.5073, 26.6679)
contains.

XYZ(47.6722, 53.4665, 26.5464)	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(47.6722, 53.4665,
26.5464)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC47B
RGB	202, 196, 123
RGB Percent	79%, 77%, 48%
CMY	0.2078, 0.2314, 0.5176
CMYK	0.00, 0.03, 0.39, 0.21
HSL	55°, 43%, 64%
HSV	55°, 39%, 79%
XYZ	47.6722, 53.4665, 26.5464
YIQ	189.4720, 27.0090, -21.4310

Conversions

Conversions Part 2

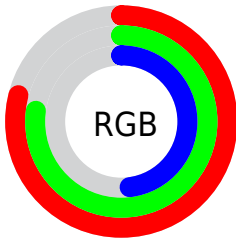
Format	Color
RYB	129, 202, 123
Decimal	13288571
CIELab	78.15, -8.55, 37.38
CIELCh	78, 38.350, 102.888
Yxy	53.4665, 0.3734, 0.4187
Android (android.graphics.Color)	4291478651 (0xFFCAC47B)
YUV	189.4720, -32.7707, 10.9871
Hunter-Lab	73.1208, -11.5856, 29.6594

Details

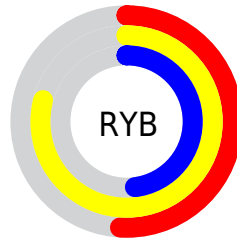
The XYZ color **47.6722, 53.4665, 26.5464** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.6792, 24.1750, 59.1371**, and the grayscale version is **48.8126, 51.3546, 55.9252**.

A 20% lighter version of the original color is **83.8869, 94.0154, 54.7998**, and **22.9082, 26.0301, 10.1202** is the 20% darker color. If you saturate the color by 10%, you get **46.1925, 52.3261, 20.4453**, and if you desaturate by 10%, it is **49.4190, 54.7232, 34.0250**.

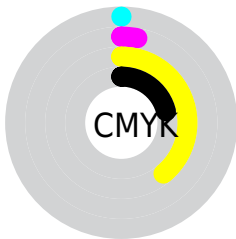
Distribution



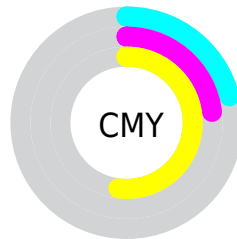
- Red (79%)
- Green (77%)
- Blue (48%)



- Red (51%)
- Yellow (79%)
- Blue (48%)



- Cyan (0%)
- Magenta (3%)
- Yellow (39%)
- Black (21%)





- Cyan (21%)
- Magenta (23%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6722, 53.4665, 26.5464 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 47.6722, 53.4665, 26.5464 by changing the saturation by 10% instead.


 47.6722, 53.4665,
26.5464


 47.6722, 53.4665,
26.5464


368.0956,
400.0723, 299.1445

 33.7775, 38.1753,
17.0034


 85.9288, 95.2905,
55.1500

 22.8848, 26.1188,
10.0750


 111.0214,
122.5920, 75.0477

 14.6287, 16.9125,
5.3424


 140.5775,
154.6658, 99.2340

 8.6438, 10.1721,
2.3873

174.9622,
191.8963, 128.1276

 4.5649, 5.5132,
0.7795

214.5410,
234.6678, 162.1468

 2.0264, 2.5514,
0.0000

259.6793,

 0.6487, 0.9023,

283.3647, 201.7104

0.0000

310.7424,
338.3714, 247.2368

■ 0.0000, 0.0000,
0.0000

■ 47.6722, 53.4665,
26.5464

■ 47.6722, 53.4665,
26.5464

■ 46.1925, 52.3261,
20.4453

■ 49.4190, 54.7232,
34.0250

■ 44.9598, 51.2882,
15.6333

■ 51.4438, 56.0949,
42.9556

■ 43.9573, 50.3481,
12.0169

■ 53.7616, 57.5894,
53.4114

■ 43.1648, 49.4976,
9.4885

■ 56.3851, 59.2119,
65.4597

■ 42.5582, 48.7269,
7.9214

■ 59.3263, 60.9672,
79.1636

42.0967, 48.0200,
7.1018

62.5967, 62.8599,
94.5830

42.0579, 47.9581,
7.0401

64.6558, 64.2739,
103.6061

65.0283, 65.0190,
103.7303

65.4045, 65.7714,
103.8557

Harmonies

Analogous

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



55.1765, 53.4665, 27.0155



47.6722, 53.4665, 26.5464



41.6304, 53.4665, 32.9156

Triad

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



47.6722, 53.4665, 26.5464



40.9764, 53.4665, 91.0534



65.8686, 53.4665, 71.2203

Complementary

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



47.6722, 53.4665, 26.5464



26.6792, 24.1750, 59.1371

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.



61.2673, 53.4665, 93.9823



47.6722, 53.4665, 26.5464



46.6959, 53.4665, 107.2242

Square

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



47.6722, 53.4665, 26.5464



38.0282, 53.4665, 67.9122



54.0999, 53.4665, 108.4115



66.1960, 53.4665, 49.4895

Rectangle

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



47.6722, 53.4665, 26.5464



39.0428, 53.4665, 41.3638



54.0999, 53.4665, 108.4115



64.7512, 53.4665, 79.1173

Sweetspot

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



47.6735, 53.4689, 26.5475



89.7726, 96.7110, 84.7413



35.4418, 28.3236, 24.5725



19.1020, 20.6276, 17.6269



0.0000, 0.0000, 0.0000



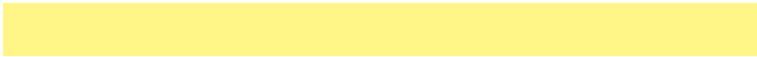
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6735, 53.4689, 26.5475



78.5508, 88.8676, 35.9902



41.0760, 52.1154, 26.6340



12.0782, 12.9453, 11.9415



27.0930, 30.9190, 4.5400



1.4199, 1.6395, 0.2416

Inverse Universe

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



26.6792, 24.1750, 59.1371



38.0761, 32.4040, 98.8555



31.4383, 25.4905, 59.1402



10.6690, 10.9785, 14.1271



6.9986, 3.0212, 36.1705



0.3854, 0.2046, 1.8741

Previews

White Background



This preview shows how the XYZ color 47.6722, 53.4665, 26.5464 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 47.6722, 53.4665, 26.5464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

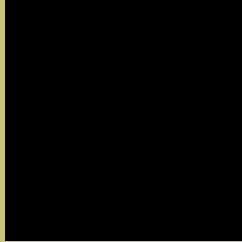
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6722, 53.4665, 26.5464

Background



This preview shows how black text looks on a background with the XYZ color 47.6722, 53.4665, 26.5464.



This preview shows how white text looks on a background with the XYZ color 47.6722, 53.4665,

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

47.6722, 53.4665, 26.5464

Protanopia

49.4468, 53.3940, 26.1123

Deuteranopia

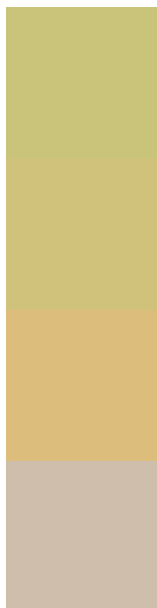
54.3293, 53.3344, 26.8331



Tritanopia

55.1769, 53.6066, 62.6973

Trichromacy



Original Color

47.6722, 53.4665, 26.5464

Protanomaly

48.8171, 53.3986, 26.1464

Deuteranomaly

51.6545, 53.2226, 26.6193

Tritanomaly

51.9687, 53.2539, 47.0752

Monochromacy



Original Color

47.6722, 53.4665, 26.5464

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.8893, 51.8852, 43.0881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6722, 53.4665, 26.5464 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(202, 196, 123)` looks like.

```
.text, #text, p{  
    color:rgb(202, 196, 123)  
}
```

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(202, 196, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 196, 123) }
```

Border

The CSS property to change the border of an element to XYZ 47.6722, 53.4665, 26.5464 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(202, 196, 123) }
```


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

```
.border{ border-color:rgb(202, 196, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 196, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 196, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 196, 123);  
box-shadow:4px 4px 4px 4px rgb(202, 196,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6722, 53.4665, 26.5464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 196, 123) }
```

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

```
.background{ background-color: rgb(202,  
196, 123) }
```

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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