

Converting Colors

XYZ(47.4622, 48.7192, 21.0130)

Have a look what the booklet for
XYZ(47.4622, 48.7192, 21.0130)
contains.

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Color

**XYZ(47.5495, 48.7294,
21.0869)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B56C
RGB	216, 181, 108
RGB Percent	85%, 71%, 42%
CMY	0.1529, 0.2902, 0.5765
CMYK	0.00, 0.16, 0.50, 0.15
HSL	41°, 58%, 64%
HSV	41°, 50%, 85%
XYZ	47.5495, 48.7294, 21.0869
YIQ	183.1430, 44.2930, -15.2830

Conversions

Conversions Part 2

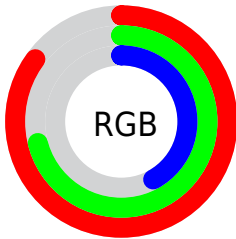
Format	Color
RYB	160, 216, 108
Decimal	14202220
CIELab	75.28, 3.46, 41.67
CIELCh	75, 41.815, 85.250
Yxy	48.7294, 0.4051, 0.4152
Android (android.graphics.Color)	4292392300 (0xFFD8B56C)
YUV	183.1430, -37.0455, 28.8156
Hunter-Lab	69.8064, -0.5739, 30.9544

Details

The XYZ color **47.5495, 48.7294, 21.0869** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.4010, 27.7897, 68.8324**, and the grayscale version is **45.2692, 47.6267, 51.8655**.

A 20% lighter version of the original color is **77.9572, 84.4016, 45.9006**, and **22.7810, 23.1148, 7.2639** is the 20% darker color. If you saturate the color by 10%, you get **45.1521, 45.5520, 15.3019**, and if you desaturate by 10%, it is **50.3056, 52.1683, 28.3974**.

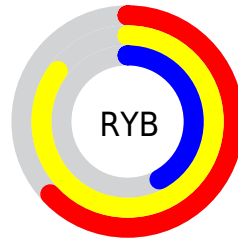
Distribution



Red (85%)

Green (71%)

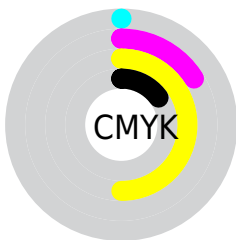
Blue (42%)



Red (63%)

Yellow (85%)

Blue (42%)

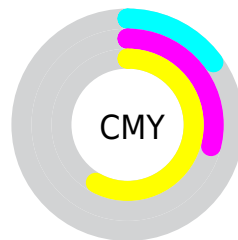


Cyan (0%)

Magenta (16%)

Yellow (50%)

Black (15%)



Cyan (15%)

Magenta (29%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5495, 48.7294, 21.0869 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 47.5495, 48.7294, 21.0869 by changing the saturation by 10% instead.

47.5495, 48.7294,
21.0869

47.5495, 48.7294,
21.0869

367.6160,
381.6761, 270.5362

33.6800, 34.4049,
12.9957

85.7470, 88.2894,
46.1148

22.8096, 23.2048,
7.2949

110.8058,
114.2937, 63.8885

14.5729, 14.7448,
3.5660

140.3251,
144.9600, 85.7268

8.6046, 8.6405,
1.3904

174.6702,
180.6728, 112.0483

4.5392, 4.5074,
0.1342

214.2065,
221.8164, 143.2714

2.0115, 1.9613,
0.0000

259.2993,

0.6404, 0.5848,

268.7752, 179.8147

0.0000

310.3140,
321.9336, 222.0968

■ 0.0000, 0.0000,
0.0000

■ 47.5495, 48.7294,
21.0869

■ 47.5495, 48.7294,
21.0869

■ 45.1521, 45.5520,
15.3019

■ 50.3056, 52.1683,
28.3974

■ 43.0873, 42.6186,
10.9263

■ 53.4370, 55.8716,
37.3321

■ 41.3309, 39.9195,
7.8319

■ 56.9635, 59.8505,
47.9847

■ 39.8527, 37.4411,
5.8655

■ 60.9023, 64.1135,
60.4411

■ 38.5994, 35.1601,
4.7522

■ 65.2696, 68.6686,
74.7812

■ 38.5993, 35.1599,
4.7521

■ 70.0803, 73.5234,
91.0802

■ 74.6650, 78.4113,
105.8074

■ 76.6520, 82.3854,
106.4697

■ 78.7181, 86.5176,
107.1584

Harmonies

Analogous

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



55.2530, 48.7294, 25.3438



47.5495, 48.7294, 21.0869



40.2982, 48.7294, 23.2634

Triad

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



47.5495, 48.7294, 21.0869



34.2027, 48.7294, 73.2194



59.5390, 48.7294, 80.9986

Complementary

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



47.5495, 48.7294, 21.0869



28.4010, 27.7897, 68.8324

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.



52.9046, 48.7294, 101.2358



47.5495, 48.7294, 21.0869



38.3984, 48.7294, 95.9432

Square

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



47.5495, 48.7294, 21.0869



33.1035, 48.7294, 49.6323



45.1037, 48.7294, 107.3471



62.6453, 48.7294, 56.6379

Rectangle

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



47.5495, 48.7294, 21.0869



36.6004, 48.7294, 28.5066



45.1037, 48.7294, 107.3471



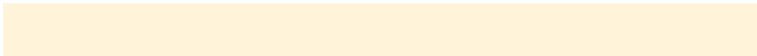
57.6142, 48.7294, 88.7476

Sweetspot

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



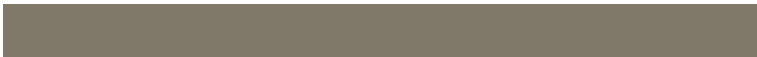
47.5507, 48.7317, 21.0879



85.6647, 90.1224, 78.3556



38.7156, 27.3380, 29.6222



18.0779, 19.0095, 15.9600



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.



47.5507, 48.7317, 21.0879



65.5713, 66.0853, 21.8701



50.5513, 62.2000, 23.5294



13.1179, 13.8100, 13.1349



22.9488, 21.0148, 2.8467



1.4578, 1.4149, 0.1963

Inverse Universe

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



28.4010, 27.7897, 68.8324



34.6889, 32.3637, 99.0263



26.3618, 20.1191, 67.4593



12.0679, 12.6592, 15.7449



8.7197, 5.7012, 39.0940



0.6002, 0.4923, 2.3827

Previews

White Background



This preview shows how the XYZ color 47.5495, 48.7294, 21.0869 looks on a white background.

Color Contrast Check

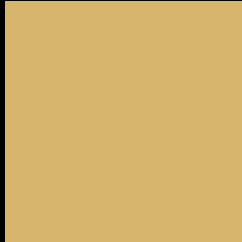
Large Text (above 18pt) WCAG AA × Fail

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 47.5495, 48.7294, 21.0869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

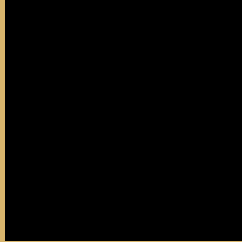
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5495, 48.7294, 21.0869

Background



This preview shows how black text looks on a background with the XYZ color 47.5495, 48.7294, 21.0869.



This preview shows how white text looks on a background with the XYZ color 47.5495, 48.7294,

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

47.5495, 48.7294, 21.0869

Protanopia

45.0020, 48.9401, 21.8264

Deuteranopia

49.8465, 48.7172, 21.2442



Tritanopia

53.9409, 48.6958, 52.4552

Trichromacy



Original Color

47.5495, 48.7294, 21.0869

Protanomaly

45.9132, 48.7950, 21.4665

Deuteranomaly

48.8049, 48.4745, 21.2522

Tritanomaly

50.9310, 48.3099, 38.5387

Monochromacy



Original Color

47.5495, 48.7294, 21.0869

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2344, 47.4583, 38.2287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5495, 48.7294, 21.0869 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(216, 181, 108)` looks like.

```
.text, #text, p{  
    color:rgb(216, 181, 108)  
}
```

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(216, 181, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 181, 108) }
```

Border

The CSS property to change the border of an element to XYZ 47.5495, 48.7294, 21.0869 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(216, 181, 108) }
```


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

```
.border{ border-color:rgb(216, 181, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 181, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 181, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 181, 108);  
box-shadow:4px 4px 4px 4px rgb(216, 181,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5495, 48.7294, 21.0869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 181, 108) }
```

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

```
.background{ background-color: rgb(216,  
181, 108) }
```

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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