

Converting Colors

XYZ(47.2161, 48.4880, 20.7160)

Have a look what the booklet for
XYZ(47.2161, 48.4880, 20.7160)
contains.

XYZ(47.2020, 48.5564, 20.7944)	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(47.2020, 48.5564,
20.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B56B
RGB	215, 181, 107
RGB Percent	84%, 71%, 42%
CMY	0.1569, 0.2902, 0.5804
CMYK	0.00, 0.16, 0.50, 0.16
HSL	41°, 57%, 63%
HSV	41°, 50%, 84%
XYZ	47.2020, 48.5564, 20.7944
YIQ	182.7300, 44.0180, -15.8060

Conversions

Conversions Part 2

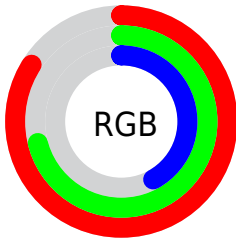
Format	Color
RYB	157, 215, 107
Decimal	14136683
CIELab	75.17, 2.96, 42.02
CIELCh	75, 42.126, 85.971
Yxy	48.5564, 0.4050, 0.4166
Android (android.graphics.Color)	4292326763 (0xFFD7B56B)
YUV	182.7300, -37.3349, 28.3008
Hunter-Lab	69.6824, -1.0306, 31.0846

Details

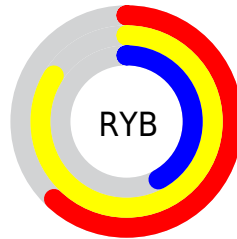
The XYZ color **47.2020, 48.5564, 20.7944** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.8535, 27.0806, 68.0486**, and the grayscale version is **45.0440, 47.3898, 51.6075**.

A 20% lighter version of the original color is **77.8694, 84.3664, 45.4379**, and **22.5582, 23.0029, 7.1219** is the 20% darker color. If you saturate the color by 10%, you get **44.8660, 45.4752, 15.1122**, and if you desaturate by 10%, it is **49.8884, 51.8884, 27.9818**.

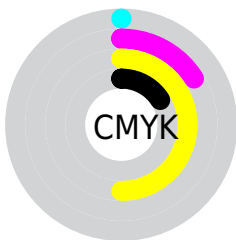
Distribution



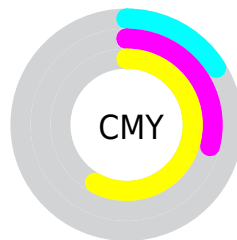
- Red (84%)
- Green (71%)
- Blue (42%)



- Red (62%)
- Yellow (84%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (50%)
- Black (16%)





- Cyan (16%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2020, 48.5564, 20.7944 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 47.2020, 48.5564, 20.7944 by changing the saturation by 10% instead.


 47.2020, 48.5564,
20.7944


 47.2020, 48.5564,
20.7944


366.2557,
380.9933, 268.9289

 33.4040, 34.2677,
12.7840


 85.2320, 88.0323,
45.6214


 22.5968, 23.0993,
7.1510


 110.1946,
113.9882, 63.2752

 14.4151, 14.6669,
3.4768


 139.6096,
144.6021, 84.9805

 8.4936, 8.5859,
1.3430

 173.8421,
180.2582, 111.1558

 4.4668, 4.4721,
0.0966

213.2577,
221.3410, 142.2198

 1.9695, 1.9410,
0.0000

258.2216,

 0.6167, 0.5729,

268.2348, 178.5910

0.0000

309.0991,
321.3242, 220.6878

■ 0.0000, 0.0000,
0.0000

■ 47.2020, 48.5564,
20.7944

■ 47.2020, 48.5564,
20.7944

■ 44.8660, 45.4752,
15.1122

■ 49.8884, 51.8884,
27.9818

■ 42.8548, 42.6275,
10.8201

■ 52.9417, 55.4737,
36.7722

■ 41.1443, 40.0041,
7.7909

■ 56.3813, 59.3235,
47.2583

■ 39.7046, 37.5913,
5.8728

■ 60.2243, 63.4458,
59.5253

■ 38.5086, 35.4158,
4.8063

■ 64.4864, 67.8485,
73.6521

■ 69.1826, 72.5389,
89.7133

■ 73.9215, 77.3617,
105.6440

■ 75.8240, 81.1666,
106.2781

■ 77.8002, 85.1190,
106.9368

Harmonies

Analogous

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



54.9650, 48.5564, 24.8879



47.2020, 48.5564, 20.7944



39.9524, 48.5564, 23.1242

Triad

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



47.2020, 48.5564, 20.7944



34.0533, 48.5564, 73.7531



59.5764, 48.5564, 80.4011

Complementary

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



47.2020, 48.5564, 20.7944



27.8535, 27.0806, 68.0486

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.



52.9606, 48.5564, 101.0275



47.2020, 48.5564, 20.7944



38.3343, 48.5564, 96.4983

Square

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



47.2020, 48.5564, 20.7944



32.8733, 48.5564, 49.9392



45.1165, 48.5564, 107.6136



62.5956, 48.5564, 55.9125

Rectangle

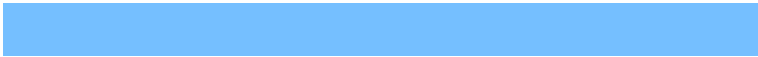
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2020, 48.5564, 20.7944



36.2819, 48.5564, 28.4887



45.1165, 48.5564, 107.6136



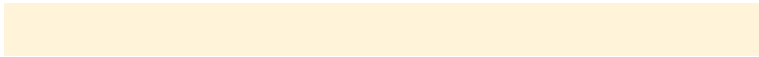
57.6658, 48.5564, 88.2551

Sweetspot

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



47.2032, 48.5587, 20.7954



85.7706, 90.3342, 78.3909



38.1048, 26.8919, 28.4602



18.1035, 19.0607, 15.9686



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.



47.2032, 48.5587, 20.7954



65.9127, 66.7681, 21.9839



49.5116, 61.2909, 23.1313



13.1278, 13.8299, 13.1382



23.1317, 21.3806, 2.9077



1.4678, 1.4349, 0.1996

Inverse Universe

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



27.8535, 27.0806, 68.0486



34.4612, 31.9081, 98.9503



26.2464, 19.9189, 66.7510



12.0584, 12.6402, 15.7418



8.6452, 5.5522, 39.0692



0.5948, 0.4816, 2.3809

Previews

White Background



This preview shows how the XYZ color 47.2020, 48.5564, 20.7944 looks on a white background.

Color Contrast Check

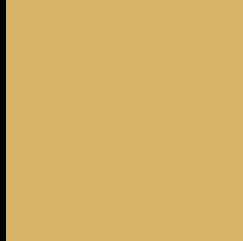
Large Text (above 18pt) WCAG AA × Fail

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 47.2020, 48.5564, 20.7944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

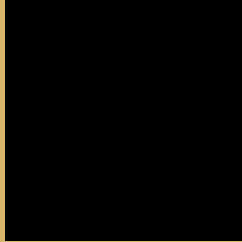
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2020, 48.5564, 20.7944

Background



This preview shows how black text looks on a background with the XYZ color 47.2020, 48.5564, 20.7944.



This preview shows how white text looks on a background with the XYZ color 47.2020, 48.5564,

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

47.2020, 48.5564, 20.7944

Protanopia

44.7379, 48.4986, 21.4712

Deuteranopia

49.4803, 48.5345, 20.9476



Tritanopia

53.6337, 48.5374, 52.4408

Trichromacy



Original Color

47.2020, 48.5564, 20.7944

Protanomaly

45.5794, 48.6291, 21.1714

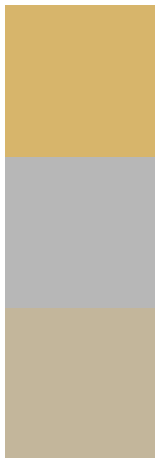
Deuteranomaly

48.4460, 48.2957, 20.9560

Tritanomaly

50.6292, 48.1543, 38.5246

Monochromacy



Original Color

47.2020, 48.5564, 20.7944

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.1500, 47.4246, 37.7845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2020, 48.5564, 20.7944 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(215, 181, 107)` looks like.

```
.text, #text, p{  
    color:rgb(215, 181, 107)  
}
```

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(215, 181, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 181, 107) }
```

Border

The CSS property to change the border of an element to XYZ 47.2020, 48.5564, 20.7944 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(215, 181, 107) }
```


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

```
.border{ border-color:rgb(215, 181, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 181, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 181, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 181, 107);  
box-shadow:4px 4px 4px 4px rgb(215, 181,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2020, 48.5564, 20.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 181, 107) }
```

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

```
.background{ background-color: rgb(215,  
181, 107) }
```

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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