

Converting Colors

XYZ(47.0344, 47.5920, 19.8039)

Have a look what the booklet for
XYZ(47.0344, 47.5920, 19.8039)
contains.

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Color

**XYZ(47.0344, 47.5920,
19.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	D9B268
RGB	217, 178, 104
RGB Percent	85%, 70%, 41%
CMY	0.1490, 0.3019, 0.5921
CMYK	0.00, 0.18, 0.52, 0.15
HSL	39°, 60%, 63%
HSV	39°, 52%, 85%
XYZ	47.0344, 47.5920, 19.8039
YIQ	181.2250, 46.9980, -14.7460

Conversions

Conversions Part 2

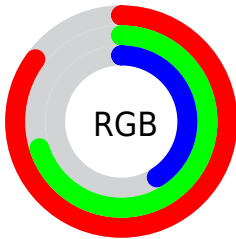
Format	Color
R_{YB}	164, 217, 104
Decimal	14266984
CIE _{Lab}	74.57, 5.11, 42.83
CIE _{LCh}	75, 43.137, 83.197
Yxy	47.5920, 0.4110, 0.4159
Android (android.graphics.Color)	4292457064 (0xFFD9B268)
YUV	181.2250, -38.0719, 31.3747
Hunter-Lab	68.9870, 0.9718, 31.2706

Details

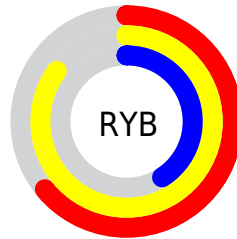
The XYZ color **47.0344, 47.5920, 19.8039** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.0554, 27.5967, 69.4935**, and the grayscale version is **44.2256, 46.5288, 50.6699**.

A 20% lighter version of the original color is **76.7486, 82.5400, 43.7850**, and **22.6239, 22.6616, 6.6718** is the 20% darker color. If you saturate the color by 10%, you get **44.6216, 44.3093, 14.2438**, and if you desaturate by 10%, it is **49.8144, 51.1554, 26.8865**.

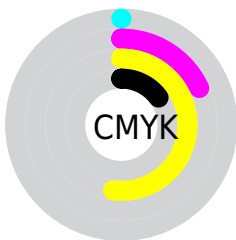
Distribution



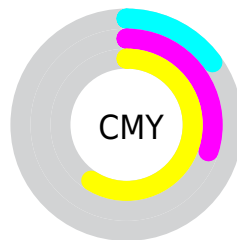
- Red (85%)
- Green (70%)
- Blue (41%)



- Red (64%)
- Yellow (85%)
- Blue (41%)



- Cyan (0%)
- Magenta (18%)
- Yellow (52%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0344, 47.5920, 19.8039 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 47.0344, 47.5920, 19.8039 by changing the saturation by 10% instead.


 47.0344, 47.5920,
19.8039

 47.0344, 47.5920,
19.8039


365.5984,
377.1726, 263.4206

 33.2709, 33.5039,
12.0699


 84.9834, 86.5966,
43.9428


 22.4943, 22.5127,
6.6682


 109.8996,
112.2819, 61.1848

 14.3392, 14.2341,
3.1802


 139.2641,
142.6018, 82.4332

 8.4402, 8.2837,
1.1874

 173.4423,
177.9405, 108.1066

 4.4321, 4.2770,
0.0000

212.7994,
218.6826, 138.6235

 1.9494, 1.8297,
0.0000

257.7009,

 0.6053, 0.5056,

265.2124, 174.4024

0.0000

308.5122,
317.9142, 215.8619

■ 0.0000, 0.0000,
0.0000

■ 47.0344, 47.5920,
19.8039

■ 47.0344, 47.5920,
19.8039

■ 44.6216, 44.3093,
14.2438

■ 49.8144, 51.1554,
26.8865

■ 42.5492, 41.2890,
10.0859

■ 52.9794, 55.0031,
35.5938

■ 40.7913, 38.5205,
7.1962

■ 56.5497, 59.1471,
46.0224

■ 39.3161, 35.9890,
5.4130

■ 60.5434, 63.5965,
58.2605

■ 38.3055, 34.1322,
4.5693

■ 64.9769, 68.3597,
72.3900

■ 69.8661, 73.4450,
88.4881

■ 75.0803, 78.8019,
105.8609

■ 77.2144, 83.0700,
106.5722

■ 79.4391, 87.5196,
107.3138

Harmonies

Analogous

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



54.8258, 47.5920, 24.4781



47.0344, 47.5920, 19.8039



39.5815, 47.5920, 21.5204

Triad

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



47.0344, 47.5920, 19.8039



32.8041, 47.5920, 70.6433



58.3354, 47.5920, 82.0396

Complementary

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



47.0344, 47.5920, 19.8039



28.0554, 27.5967, 69.4935

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.



51.4022, 47.5920, 102.1652



47.0344, 47.5920, 19.8039



36.8331, 47.5920, 94.3736

Square

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



47.0344, 47.5920, 19.8039



31.9189, 47.5920, 46.8971



43.4816, 47.5920, 107.2303



61.8182, 47.5920, 57.0750

Rectangle

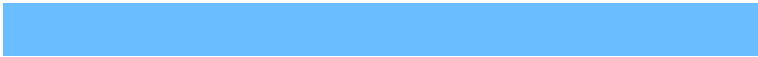
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0344, 47.5920, 19.8039



35.7270, 47.5920, 26.3936



43.4816, 47.5920, 107.2303



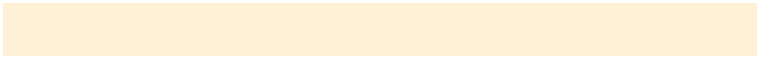
56.2953, 47.5920, 89.8557

Sweetspot

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



47.0355, 47.5943, 19.8049



84.8349, 88.9888, 76.4576



38.5656, 26.6527, 29.3180



17.9026, 18.7624, 15.5824



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.



47.0355, 47.5943, 19.8049



64.1497, 63.6346, 20.1865



51.1444, 62.9114, 22.5448



13.7643, 14.4679, 13.7927



23.2902, 20.8659, 2.8000



1.5880, 1.5101, 0.2078

Inverse Universe

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



28.0554, 27.5967, 69.4935



34.1096, 32.0369, 98.9937



25.3533, 18.9723, 67.9713



12.7043, 13.3483, 16.5590



9.1890, 6.2474, 40.4600



0.6741, 0.5623, 2.6475

Previews

White Background



This preview shows how the XYZ color 47.0344, 47.5920, 19.8039 looks on a white background.

Color Contrast Check

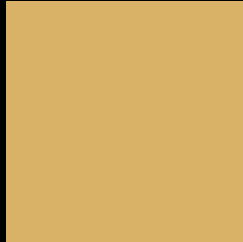
Large Text (above 18pt) WCAG AA × Fail

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 47.0344, 47.5920, 19.8039 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 47.0344, 47.5920, 19.8039

Background



This preview shows how black text looks on a background with the XYZ color 47.0344, 47.5920, 19.8039.



This preview shows how white text looks on a background with the XYZ color 47.0344, 47.5920,

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

47.0344, 47.5920, 19.8039

Protanopia

43.8294, 47.7391, 20.5402

Deuteranopia

48.6202, 47.5272, 19.9757



Tritanopia

53.3719, 47.6006, 50.6308

Trichromacy



Original Color

47.0344, 47.5920, 19.8039

Protanomaly

45.0099, 47.7412, 20.2073

Deuteranomaly

47.8939, 47.4427, 19.9977

Tritanomaly

50.4041, 47.2103, 37.0278

Monochromacy



Original Color

47.0344, 47.5920, 19.8039

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.3192, 46.4118, 36.7595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0344, 47.5920, 19.8039 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(217, 178, 104)` looks like.

```
.text, #text, p{  
    color:rgb(217, 178, 104)  
}
```

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(217, 178, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 178, 104) }
```

Border

The CSS property to change the border of an element to XYZ 47.0344, 47.5920, 19.8039 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(217, 178, 104) }
```


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

```
.border{ border-color:rgb(217, 178, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 178, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 178, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 178, 104);  
box-shadow:4px 4px 4px 4px rgb(217, 178,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0344, 47.5920, 19.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 178, 104) }
```

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

```
.background{ background-color: rgb(217,  
178, 104) }
```

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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