

Converting Colors

XYZ(45.6022, 47.6147, 20.0181)

Have a look what the booklet for
XYZ(45.6022, 47.6147, 20.0181)
contains.

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Color

**XYZ(45.6520, 47.7693,
20.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B569
RGB	210, 181, 105
RGB Percent	82%, 71%, 41%
CMY	0.1765, 0.2902, 0.5882
CMYK	0.00, 0.14, 0.50, 0.18
HSL	43°, 54%, 62%
HSV	43°, 50%, 82%
XYZ	45.6520, 47.7693, 20.1789
YIQ	181.0070, 41.6800, -17.4880

Conversions

Conversions Part 2

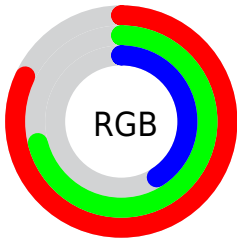
Format	Color
RYB	145, 210, 105
Decimal	13809001
CIELab	74.68, 0.71, 42.32
CIELCh	75, 42.322, 89.036
Yxy	47.7693, 0.4019, 0.4205
Android (android.graphics.Color)	4291999081 (0xFFD2B569)
YUV	181.0070, -37.4715, 25.4269
Hunter-Lab	69.1153, -3.0492, 31.0704

Details

The XYZ color **45.6520, 47.7693, 20.1789** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.9834, 24.7057, 64.3717**, and the grayscale version is **44.1063, 46.4032, 50.5331**.

A 20% lighter version of the original color is **77.6957, 84.2970, 44.5237**, and **21.5456, 22.4865, 6.8192** is the 20% darker color. If you saturate the color by 10%, you get **43.5488, 45.0821, 14.7944**, and if you desaturate by 10%, it is **48.0731, 50.6657, 26.9852**.

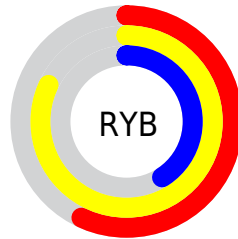
Distribution



Red (82%)

Green (71%)

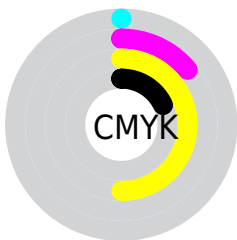
Blue (41%)



Red (57%)

Yellow (82%)

Blue (41%)

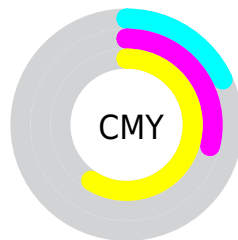


Cyan (0%)

Magenta (14%)

Yellow (50%)

Black (18%)



Cyan (18%)


Magenta (29%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6520, 47.7693, 20.1789 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 45.6520, 47.7693, 20.1789 by changing the saturation by 10% instead.


 45.6520, 47.7693,
20.1789

 45.6520, 47.7693,
20.1789


360.1472,
377.8770, 265.5182

 32.1748, 33.6442,
12.3398


 82.9290, 86.8608,
44.5798


 21.6512, 22.6204,
6.8502


 107.4595,
112.5960, 61.9787

 13.7160, 14.3135,
3.2916


 136.4051,
142.9701, 83.4013

 8.0038, 8.3390,
1.2454

 170.1311,
178.3674, 109.2661

 4.1492, 4.3126,
0.0164

209.0030,
219.1724, 139.9916

 1.7869, 1.8499,
0.0000

253.3861,

 0.5097, 0.5180,

265.7694, 175.9964

0.0000

303.6457,
318.5427, 217.6991

■ 0.0000, 0.0000,
0.0000

■ 45.6520, 47.7693,
20.1789

■ 45.6520, 47.7693,
20.1789

■ 43.5488, 45.0821,
14.7944

■ 48.0731, 50.6657,
26.9852

■ 41.7394, 42.5883,
10.7234

■ 50.8273, 53.7731,
35.3050

■ 40.2017, 40.2798,
7.8466

■ 53.9325, 57.1012,
45.2259

■ 38.9080, 38.1446,
6.0216

■ 57.4045, 60.6573,
56.8278

■ 37.8082, 36.1616,
4.9872

■ 61.2580, 64.4482,
70.1852

■ 37.8081, 36.1613,
4.9871

■ 65.5068, 68.4801,
85.3682

■ 70.1639, 72.7593,
102.4430

■ 72.2061, 76.0773,
105.4865

■ 73.8227, 79.3105,
106.0253

Harmonies

Analogous

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



53.4222, 47.7693, 23.5498



45.6520, 47.7693, 20.1789



38.6146, 47.7693, 23.1331

Triad

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



45.6520, 47.7693, 20.1789



33.6904, 47.7693, 75.3250



59.2607, 47.7693, 76.9124

Complementary

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



45.6520, 47.7693, 20.1789



25.9834, 24.7057, 64.3717

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.



52.9444, 47.7693, 98.3735



45.6520, 47.7693, 20.1789



38.2299, 47.7693, 97.2902

Square

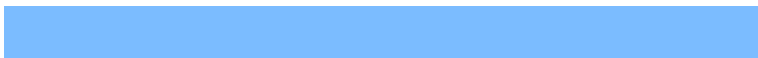
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.6520, 47.7693, 20.1789



32.1955, 47.7693, 51.3049



45.1555, 47.7693, 106.7082



61.8041, 47.7693, 52.7269

Rectangle

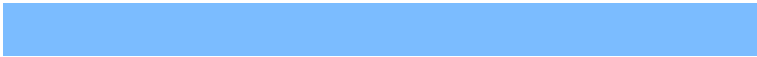
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.6520, 47.7693, 20.1789



35.1520, 47.7693, 28.9446



45.1555, 47.7693, 106.7082



57.4757, 47.7693, 84.9095

Sweetspot

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



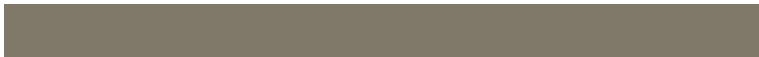
45.6532, 47.7716, 20.1799



86.2144, 91.2218, 78.5389



35.9857, 25.5475, 25.8646



18.2109, 19.2755, 16.0044



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.



45.6532, 47.7716, 20.1799



67.3698, 69.6824, 22.4696



46.1512, 57.7093, 22.0718



12.5159, 13.2226, 12.5046



23.1505, 22.2340, 3.0714



1.3590, 1.3724, 0.1933

Inverse Universe

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



25.9834, 24.7057, 64.3717



33.5406, 30.0670, 98.6435



25.5494, 19.3267, 63.3563



11.4256, 11.9415, 14.9464



8.0915, 4.8296, 37.6982



0.5195, 0.4042, 2.1302

Previews

White Background



This preview shows how the XYZ color 45.6520, 47.7693, 20.1789 looks on a white background.

Color Contrast Check

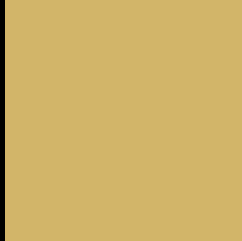
Large Text (above 18pt) WCAG AA × Fail

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 45.6520, 47.7693, 20.1789 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 45.6520, 47.7693, 20.1789

Background



This preview shows how black text looks on a background with the XYZ color 45.6520, 47.7693, 20.1789.

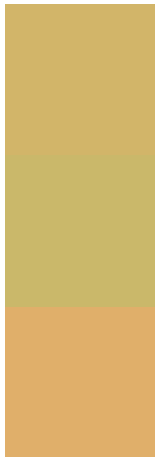


This preview shows how white text looks on a background with the XYZ color 45.6520, 47.7693,

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

45.6520, 47.7693, 20.1789

Protanopia

44.0991, 47.8781, 20.5528

Deuteranopia

48.6720, 47.5478, 20.2480



Tritanopia

52.4229, 47.9133, 52.3841

Trichromacy



Original Color

45.6520, 47.7693, 20.1789

Protanomaly

44.7118, 47.8867, 20.5222

Deuteranomaly

47.5371, 47.5450, 20.3073

Tritanomaly

49.3551, 47.5073, 38.0210

Monochromacy



Original Color

45.6520, 47.7693, 20.1789

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.0119, 46.5541, 36.8032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6520, 47.7693, 20.1789 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(210, 181, 105)` looks like.

```
.text, #text, p{  
    color:rgb(210, 181, 105)  
}
```

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(210, 181, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 181, 105) }
```

Border

The CSS property to change the border of an element to XYZ 45.6520, 47.7693, 20.1789 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(210, 181, 105) }
```


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

```
.border{ border-color:rgb(210, 181, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 181, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 181, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 181, 105);  
box-shadow:4px 4px 4px 4px rgb(210, 181,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6520, 47.7693, 20.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 181, 105) }
```

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

```
.background{ background-color: rgb(210,  
181, 105) }
```

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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