

Converting Colors

XYZ(45.5718, 45.6999, 20.4486)

Have a look what the booklet for
XYZ(45.5718, 45.6999, 20.4486)
contains.

XYZ(45.5214, 45.6298, 20.3181)	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(45.5214, 45.6298,
20.3181)**

Conversions

Conversions Part 1

Format	Color
Hex	D6AE6B
RGB	214, 174, 107
RGB Percent	84%, 68%, 42%
CMY	0.1608, 0.3176, 0.5804
CMYK	0.00, 0.19, 0.50, 0.16
HSL	38°, 57%, 63%
HSV	38°, 50%, 84%
XYZ	45.5214, 45.6298, 20.3181
YIQ	178.3220, 45.3470, -12.3570

Conversions

Conversions Part 2

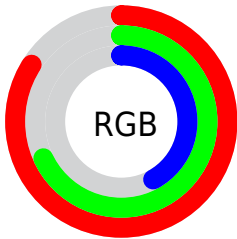
Format	Color
R_{YB}	171, 214, 107
Decimal	14069355
CIE _{Lab}	73.30, 6.26, 39.68
CIE _{LCh}	73, 40.176, 81.031
Yxy	45.6298, 0.4084, 0.4093
Android (android.graphics.Color)	4292259435 (0xFFD6AE6B)
YUV	178.3220, -35.1617, 31.2896
Hunter-Lab	67.5498, 2.0778, 29.4512

Details

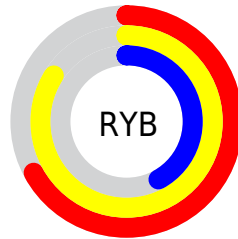
The XYZ color **45.5214, 45.6298, 20.3181** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.6342, 28.8470, 67.6768**, and the grayscale version is **42.6522, 44.8734, 48.8671**.

A 20% lighter version of the original color is **75.5173, 79.8018, 44.2240**, and **21.6279, 21.3927, 6.9923** is the 20% darker color. If you saturate the color by 10%, you get **43.0326, 42.2365, 14.6047**, and if you desaturate by 10%, it is **48.3831, 49.3230, 27.5313**.

Distribution



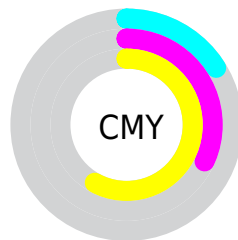
- Red (84%)
- Green (68%)
- Blue (42%)



- Red (67%)
- Yellow (84%)
- Blue (42%)



- Cyan (0%)
- Magenta (19%)
- Yellow (50%)
- Black (16%)





- Cyan (16%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5214, 45.6298, 20.3181 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 45.5214, 45.6298, 20.3181 by changing the saturation by 10% instead.


 45.5214, 45.6298,
20.3181

 45.5214, 45.6298,
20.3181


359.6294,
369.3183, 266.2930


 32.0713, 31.9538,
12.4401


 82.7345, 83.6647,
44.8158


 21.5718, 21.3262,
6.9180


 107.2283,
108.7924, 62.2726

 13.6574, 13.3627,
3.3332


 136.1340,
138.5060, 83.7595

 7.9629, 7.6787,
1.2672

 169.8171,
173.1901, 109.6949

 4.1228, 3.8901,
0.0347

208.6428,
213.2290, 140.4974

 1.7719, 1.6123,
0.0000

252.9765,

 0.5006, 0.3658,

259.0070, 176.5856

0.0000

303.1836,
310.9087, 218.3779

■ 0.0000, 0.0000,
0.0000

■ 45.5214, 45.6298,
20.3181

■ 45.5214, 45.6298,
20.3181

■ 43.0326, 42.2365,
14.6047

■ 48.3831, 49.3230,
27.5313

■ 40.8908, 39.1250,
10.2774

■ 51.6347, 53.3201,
36.3409

■ 39.0716, 36.2846,
7.2108

■ 55.2960, 57.6333,
46.8389

■ 37.5450, 33.7007,
5.2552

■ 59.3843, 62.2718,
59.1092

■ 36.2581, 31.3494,
4.1401

■ 63.9158, 67.2445,
73.2302

■ 36.2579, 31.3491,
4.1400

■ 68.9059, 72.5596,
89.2755

■ 74.0777, 78.1086,
105.7799

■ 76.3550, 82.6634,
106.5390

■ 78.7359, 87.4251,
107.3326

Harmonies

Analogous

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



52.4827, 45.6298, 25.1652



45.5214, 45.6298, 20.3181



38.6766, 45.6298, 21.5059

Triad

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



45.5214, 45.6298, 20.3181



31.8894, 45.6298, 64.9879



54.8077, 45.6298, 78.3745

Complementary

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



45.5214, 45.6298, 20.3181



28.6342, 28.8470, 67.6768

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.



48.4280, 45.6298, 95.5418



45.5214, 45.6298, 20.3181



35.3779, 45.6298, 86.4693

Square

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



45.5214, 45.6298, 20.3181



31.2915, 45.6298, 43.8634



41.2870, 45.6298, 98.8502



58.2137, 45.6298, 55.9960

Rectangle

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



45.5214, 45.6298, 20.3181



35.0520, 45.6298, 25.7413



41.2870, 45.6298, 98.8502



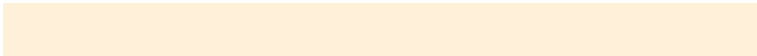
52.9091, 45.6298, 85.1739

Sweetspot

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



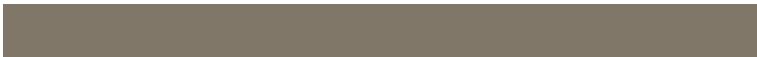
45.5225, 45.6320, 20.3190



85.0993, 88.9916, 78.1672



38.3360, 26.9505, 31.2057



17.9413, 18.7362, 15.9145



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.



45.5225, 45.6320, 20.3190



63.7893, 62.5213, 21.2761



50.9268, 61.6436, 23.1247



13.0646, 13.7035, 13.1172



22.0185, 19.1543, 2.5366



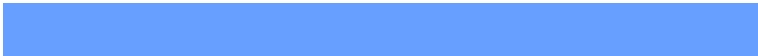
1.4063, 1.3118, 0.1791

Inverse Universe

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



28.6342, 28.8470, 67.6768



35.9601, 34.9059, 99.4500



25.0699, 19.3271, 66.0271



12.1191, 12.7616, 15.7620



9.1619, 6.5856, 39.2414



0.6308, 0.5536, 2.3929

Previews

White Background



This preview shows how the XYZ color 45.5214, 45.6298, 20.3181 looks on a white background.

Color Contrast Check

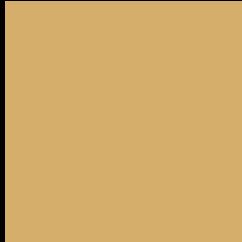
Large Text (above 18pt) WCAG AA × Fail

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 45.5214, 45.6298, 20.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

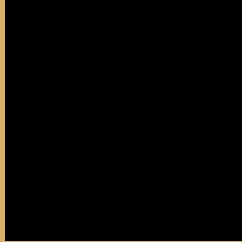
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5214, 45.6298, 20.3181

Background



This preview shows how black text looks on a background with the XYZ color 45.5214, 45.6298, 20.3181.



This preview shows how white text looks on a background with the XYZ color 45.5214, 45.6298,

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

45.5214, 45.6298, 20.3181

Protanopia

42.1075, 45.6170, 21.0536

Deuteranopia

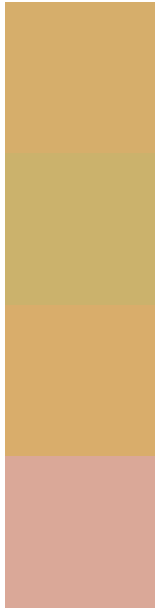
46.6198, 45.6267, 20.2596



Tritanopia

51.3098, 45.4968, 48.1969

Trichromacy



Original Color

45.5214, 45.6298, 20.3181

Protanomaly

43.2558, 45.6200, 20.7131

Deuteranomaly

46.2127, 45.7004, 20.2953

Tritanomaly

48.5836, 45.1777, 35.8653

Monochromacy



Original Color

45.5214, 45.6298, 20.3181

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.8755, 44.7876, 36.0909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5214, 45.6298, 20.3181 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(214, 174, 107)` looks like.

```
.text, #text, p{  
    color:rgb(214, 174, 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(214, 174, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 174, 107) }
```

Border

The CSS property to change the border of an element to XYZ 45.5214, 45.6298, 20.3181 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(214, 174, 107) }
```


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

```
.border{ border-color:rgb(214, 174, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 174, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 174, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 174, 107);  
box-shadow:4px 4px 4px 4px rgb(214, 174,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5214, 45.6298, 20.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 174, 107) }
```

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

```
.background{ background-color: rgb(214,  
174, 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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