

Converting Colors

XYZ(43.2415, 45.5849, 19.0153)

Have a look what the booklet for
XYZ(43.2415, 45.5849, 19.0153)
contains.

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Color

**XYZ(43.2205, 45.6375,
19.1013)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB266
RGB	204, 178, 102
RGB Percent	80%, 70%, 40%
CMY	0.2000, 0.3019, 0.6000
CMYK	0.00, 0.13, 0.50, 0.20
HSL	45°, 50%, 60%
HSV	45°, 50%, 80%
XYZ	43.2205, 45.6375, 19.1013
YIQ	177.1100, 39.8920, -18.1240

Conversions

Conversions Part 2

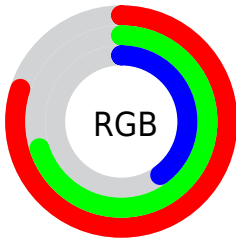
Format	Color
RYB	137, 204, 102
Decimal	13415014
CIELab	73.31, -0.46, 42.02
CIELCh	73, 42.024, 90.632
Yxy	45.6375, 0.4003, 0.4227
Android (android.graphics.Color)	4291605094 (0xFFCCB266)
YUV	177.1100, -37.0292, 23.5825
Hunter-Lab	67.5555, -4.0219, 30.5246

Details

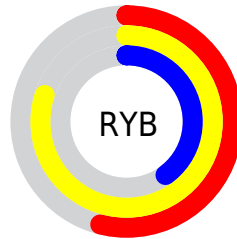
The XYZ color **43.2205, 45.6375, 19.1013** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.0974, 22.6219, 60.2229**, and the grayscale version is **42.0226, 44.2110, 48.1458**.

A 20% lighter version of the original color is **76.4956, 82.4387, 42.4524**, and **20.2934, 21.4655, 6.3225** is the 20% darker color. If you saturate the color by 10%, you get **41.3161, 43.2535, 14.0747**, and if you desaturate by 10%, it is **45.4152, 48.2038, 25.4539**.

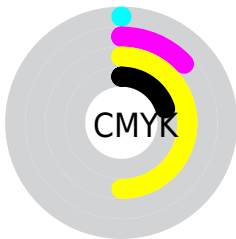
Distribution



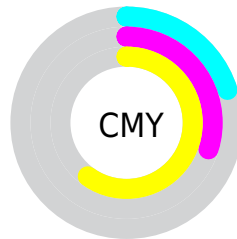
- Red (80%)
- Green (70%)
- Blue (40%)



- Red (54%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (50%)
- Black (20%)



- Cyan (20%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2205, 45.6375, 19.1013 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 43.2205, 45.6375, 19.1013 by changing the saturation by 10% instead.

■ 43.2205, 45.6375,
19.1013

■ 43.2205, 45.6375,
19.1013

350.4240,
369.3494, 259.4488

■ 30.2534, 31.9599,
11.5659

■ 79.2971, 83.6762,
42.7442

■ 20.1801, 21.3308,
6.3299

■ 103.1374,
108.8061, 59.6888

■ 12.6350, 13.3661,
2.9747

■ 131.3328,
138.5222, 80.6069

■ 7.2530, 7.6811,
1.0817

■ 164.2487,
173.2088, 105.9170

■ 3.6685, 3.8916,
0.0000

202.2504,
213.2505, 136.0377

■ 1.5164, 1.6131,
0.0000

245.7032,

■ 0.3369, 0.3664,

259.0315, 171.3876

0.0000

294.9726,
310.9364, 212.3851

■ 0.0000, 0.0000,
0.0000

■ 43.2205, 45.6375,
19.1013

■ 43.2205, 45.6375,
19.1013

■ 41.3161, 43.2535,
14.0747

■ 45.4152, 48.2038,
25.4539

■ 39.6798, 41.0370,
10.2731

■ 47.9142, 50.9535,
33.2177

■ 38.2910, 38.9809,
7.5857

■ 50.7341, 53.8957,
42.4742

■ 37.1241, 37.0742,
5.8801

■ 53.8895, 57.0368,
53.2979

■ 36.1317, 35.2973,
4.9088

■ 57.3940, 60.3829,
65.7580

■ 36.1316, 35.2971,
4.9087

■ 61.2602, 63.9397,
79.9199

■ 65.5004, 67.7127,
95.8453

■ 68.4393, 71.0324,
104.7112

■ 69.8218, 73.7975,
105.1721

Harmonies

Analogous

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



50.7235, 45.6375, 21.9995



43.2205, 45.6375, 19.1013



36.5339, 45.6375, 22.2613

Triad

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



43.2205, 45.6375, 19.1013



32.2657, 45.6375, 73.4379



56.9727, 45.6375, 72.4336

Complementary

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



43.2205, 45.6375, 19.1013



24.0974, 22.6219, 60.2229

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.



51.0255, 45.6375, 93.5636



43.2205, 45.6375, 19.1013



36.7766, 45.6375, 94.2498

Square

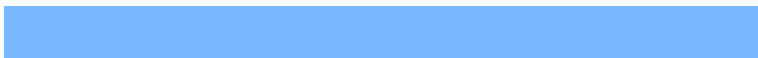
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.2205, 45.6375, 19.1013



30.6661, 45.6375, 50.1418



43.5340, 45.6375, 102.4862



59.1893, 45.6375, 49.2439

Rectangle

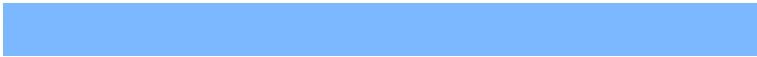
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.2205, 45.6375, 19.1013



33.2953, 45.6375, 28.0947



43.5340, 45.6375, 102.4862



55.3126, 45.6375, 80.2229

Sweetspot

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



43.2216, 45.6396, 19.1022



86.4606, 91.7141, 78.6209



33.6292, 23.9308, 23.6858



18.2706, 19.3948, 16.0243



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.



43.2216, 45.6396, 19.1022



68.1962, 71.3351, 22.7451



42.8602, 53.8722, 20.7103



11.9024, 12.5938, 11.8829



22.8197, 22.3724, 3.1156



1.2358, 1.2714, 0.1803

Inverse Universe

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



24.0974, 22.6219, 60.2229



33.0532, 29.0922, 98.4810



24.2256, 18.2833, 59.3787



10.8303, 11.3010, 14.1809



7.6966, 4.4171, 36.4032



0.4597, 0.3532, 1.8989

Previews

White Background



This preview shows how the XYZ color 43.2205, 45.6375, 19.1013 looks on a white background.

Color Contrast Check

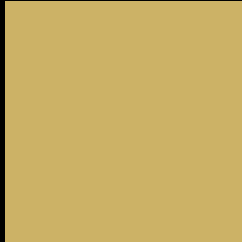
Large Text (above 18pt) WCAG AA × Fail

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 43.2205, 45.6375, 19.1013 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 43.2205, 45.6375, 19.1013

Background



This preview shows how black text looks on a background with the XYZ color 43.2205, 45.6375, 19.1013.



This preview shows how white text looks on a background with the XYZ color 43.2205, 45.6375,

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

43.2205, 45.6375, 19.1013

Protanopia

42.0581, 45.6276, 19.4223

Deuteranopia

46.4141, 45.5444, 19.1766



Tritanopia

49.7828, 45.7504, 50.4628

Trichromacy



Original Color

43.2205, 45.6375, 19.1013

Protanomaly

42.3877, 45.4988, 19.3800

Deuteranomaly

45.3158, 45.5475, 19.2351

Tritanomaly

46.7968, 45.3603, 36.4259

Monochromacy



Original Color

43.2205, 45.6375, 19.1013

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.7207, 44.2111, 35.1888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2205, 45.6375, 19.1013 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(204, 178, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 102)  
}
```

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(204, 178, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 102) }
```

Border

The CSS property to change the border of an element to XYZ 43.2205, 45.6375, 19.1013 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(204, 178, 102) }
```


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

```
.border{ border-color:rgb(204, 178, 102) }
```

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

Here you see how a box with a 4 pixel rgb(204, 178, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2205, 45.6375, 19.1013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 102) }
```

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

```
.background{ background-color: rgb(204,  
178, 102) }
```

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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