

Converting Colors

XYZ(21.4161, 16.1330, 16.3172)

Have a look what the booklet for
XYZ(21.4161, 16.1330, 16.3172)
contains.

XYZ(21.5207, 16.2030, 16.4612)	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(21.5207, 16.2030,
16.4612)**

Conversions

Conversions Part 1

Format	Color
Hex	A35A6D
RGB	163, 90, 109
RGB Percent	64%, 35%, 43%
CMY	0.3608, 0.6470, 0.5725
CMYK	0.00, 0.45, 0.33, 0.36
HSL	344°, 29%, 50%
HSV	344°, 45%, 64%
XYZ	21.5207, 16.2030, 16.4612
YIQ	113.9930, 37.4090, 21.3850

Conversions

Conversions Part 2

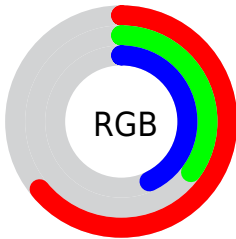
Format	Color
R _Y B	163, 90, 109
Decimal	10705517
CIE Lab	47.24, 32.16, 2.49
CIE LCh	47, 32.261, 4.426
Yxy	16.2030, 0.3972, 0.2990
Android (android.graphics.Color)	4288895597 (0xFFA35A6D)
YUV	113.9930, -2.4615, 42.9791
Hunter-Lab	40.2530, 24.9900, 3.9308

Details

The XYZ color **21.5207, 16.2030, 16.4612** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.3484, 30.3820, 31.0736**, and the grayscale version is **15.9919, 16.8247, 18.3221**.

A 20% lighter version of the original color is **45.5334, 37.0997, 38.0188**, and **7.9691, 5.1849, 5.1382** is the 20% darker color. If you saturate the color by 10%, you get **19.6883, 13.5067, 12.8645**, and if you desaturate by 10%, it is **23.7445, 19.5394, 20.6281**.

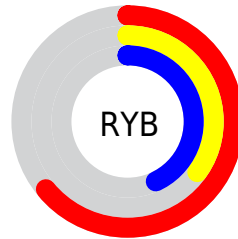
Distribution



Red (64%)

Green (35%)

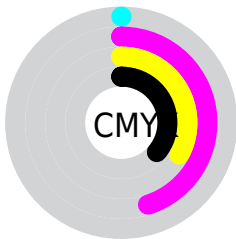
Blue (43%)



Red (64%)

Yellow (35%)

Blue (43%)

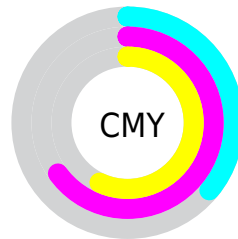


Cyan (0%)

Magenta (45%)

Yellow (33%)

Black (36%)



Cyan (36%)

Magenta (65%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5207, 16.2030, 16.4612 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 21.5207, 16.2030, 16.4612 by changing the saturation by 10% instead.

■ 21.5207, 16.2030,
16.4612

■ 21.5207, 16.2030,
16.4612

252.7126,
230.5366, 243.9859

■ 13.6198, 9.6679,
9.6932

■ 45.4373, 36.9503,
38.1749

■ 7.9366, 5.1793,
5.0931

■ 62.1837, 51.9312,
53.9577

■ 4.1059, 2.3529,
2.2423

■ 82.6093, 70.4963,
73.5825

■ 1.7622, 0.8015,
0.6986

■ 107.0794, 93.0298,
97.4679

■ 0.4947, 0.0000,
0.0000

135.9595,
119.9162, 126.0324

■ 0.0000, 0.0000,
0.0000

169.6148,

151.5399, 159.6946

208.4107,
188.2852, 198.8729

■ 21.5207, 16.2030,
16.4612

■ 21.5207, 16.2030,
16.4612

■ 19.6883, 13.5067,
12.8645

■ 23.7445, 19.5394,
20.6281

■ 18.2225, 11.4070,
9.8116

■ 26.3800, 23.5513,
25.3882

■ 17.0976, 9.8584,
7.2748


■ 29.4474, 28.2739,
30.7643


■ 16.2838, 8.8079,
5.2240


■ 32.9654, 33.7397,
36.7778


■ 15.7448, 8.1904,
3.6248


■ 36.9515, 39.9789,
43.4489

 15.5297, 7.9567,
2.9472

 41.4222, 47.0202,
50.7970

 46.3932, 54.8905,
58.8407

 51.8796, 63.6159,
67.5978

 57.8957, 73.2211,
77.0854

Harmonies

Analogous

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



20.8780, 16.2030, 25.3024



21.5207, 16.2030, 16.4612



20.3654, 16.2030, 10.1875

Triad

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



21.5207, 16.2030, 16.4612



12.5114, 16.2030, 7.6212



13.1586, 16.2030, 35.8733

Complementary

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



21.5207, 16.2030, 16.4612



22.3484, 30.3820, 31.0736

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.



11.3162, 16.2030, 28.0589



21.5207, 16.2030, 16.4612



10.9760, 16.2030, 11.7090

Square

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



21.5207, 16.2030, 16.4612



14.9823, 16.2030, 6.1821



10.5668, 16.2030, 18.8786



15.8263, 16.2030, 38.3141

Rectangle

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



21.5207, 16.2030, 16.4612



18.8055, 16.2030, 7.7245



10.5668, 16.2030, 18.8786



12.4334, 16.2030, 33.6906

Sweetspot

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



21.5211, 16.2038, 16.4615



53.6558, 52.0570, 56.6810



21.6879, 15.8449, 36.5656



11.7680, 11.2540, 12.2416



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.5211, 16.2038, 16.4615



35.1959, 24.0959, 22.9092



22.2114, 19.0479, 12.1799



7.1459, 7.1148, 7.7548



12.0859, 6.1904, 2.3768



0.2721, 0.1373, 0.1456

Inverse Universe

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



21.5211, 16.2038, 16.4615



35.1959, 24.0959, 22.9092



21.1017, 25.3660, 38.4342



7.1459, 7.1148, 7.7548



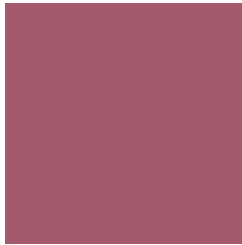
12.0859, 6.1904, 2.3768



0.2721, 0.1373, 0.1456

Previews

White Background



This preview shows how the XYZ color 21.5207, 16.2030, 16.4612 looks on a white background.

Color Contrast Check

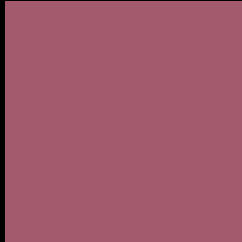
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5207, 16.2030, 16.4612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5207, 16.2030, 16.4612

Background



This preview shows how black text looks on a background with the XYZ color 21.5207, 16.2030, 16.4612.



This preview shows how white text looks on a background with the XYZ color 21.5207, 16.2030,

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

21.5207, 16.2030, 16.4612

Protanopia

15.9891, 16.4382, 20.7425

Deuteranopia

16.6743, 16.4135, 15.9250



Tritanopia

20.9796, 16.2365, 13.8326

Trichromacy



Original Color

21.5207, 16.2030, 16.4612

Protanomaly

17.5213, 16.0103, 18.9964

Deuteranomaly

18.0527, 16.0532, 16.0570

Tritanomaly

21.0896, 16.1428, 14.8363

Monochromacy



Original Color

21.5207, 16.2030, 16.4612

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4919, 16.1785, 17.5301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5207, 16.2030, 16.4612 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(163, 90, 109)` looks like.

```
.text, #text, p{  
    color:rgb(163, 90, 109)  
}
```

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(163, 90, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 90, 109) }
```

Border

The CSS property to change the border of an element to XYZ 21.5207, 16.2030, 16.4612 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(163, 90, 109) }
```


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

```
.border{ border-color:rgb(163, 90, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 90, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 90, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 90, 109);  
box-shadow:4px 4px 4px 4px rgb(163, 90,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5207, 16.2030, 16.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 90, 109) }
```

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

```
.background{ background-color: rgb(163, 90,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor