

Converting Colors

XYZ(21.8548, 23.2326, 16.1644)

Have a look what the booklet for
XYZ(21.8548, 23.2326, 16.1644)
contains.

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Color

**XYZ(21.8548, 23.2326,
16.1644)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8467
RGB	142, 132, 103
RGB Percent	56%, 52%, 40%
CMY	0.4431, 0.4823, 0.5961
CMYK	0.00, 0.07, 0.27, 0.44
HSL	45°, 16%, 48%
HSV	45°, 27%, 56%
XYZ	21.8548, 23.2326, 16.1644
YIQ	131.6840, 15.2690, -6.8990

Conversions

Conversions Part 2

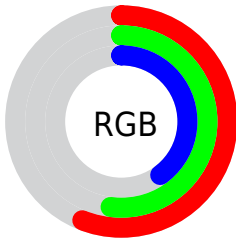
Format	Color
R_{YB}	116, 142, 103
Decimal	9340007
CIE Lab	55.31, -1.06, 17.05
CIE LCh	55, 17.083, 93.548
Yxy	23.2326, 0.3568, 0.3793
Android (android.graphics.Color)	4287530087 (0xFF8E8467)
YUV	131.6840, -14.1412, 9.0471
Hunter-Lab	48.2002, -3.4154, 13.8567

Details

The XYZ color **21.8548, 23.2326, 16.1644** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.3810, 16.6464, 27.9410**, and the grayscale version is **21.8643, 23.0029, 25.0502**.

A 20% lighter version of the original color is **45.9466, 48.7668, 37.5631**, and **8.1214, 8.6962, 4.9919** is the 20% darker color. If you saturate the color by 10%, you get **20.7169, 22.0022, 12.5624**, and if you desaturate by 10%, it is **23.1322, 24.5480, 20.4107**.

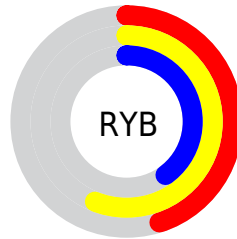
Distribution



Red (56%)

Green (52%)

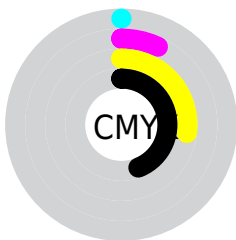
Blue (40%)



Red (45%)

Yellow (56%)

Blue (40%)

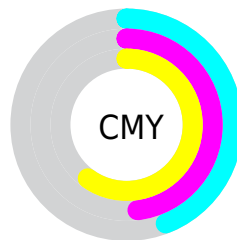


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (44%)



Cyan (44%)

Magenta (48%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8548, 23.2326, 16.1644 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 21.8548, 23.2326, 16.1644 by changing the saturation by 10% instead.

■ 21.8548, 23.2326,
16.1644

■ 21.8548, 23.2326,
16.1644

254.4337,
268.9174, 242.1886

■ 13.8663, 14.7654,
9.4849

■ 45.9865, 48.7750,
37.6541

■ 8.1088, 8.6549,
4.9577

■ 62.8604, 66.6189,
53.3015

■ 4.2170, 4.5168,
2.1642

■ 83.4268, 88.3571,
72.7752

■ 1.8256, 1.9666,
0.6536

■ 108.0511,
114.3741, 96.4939

■ 0.5330, 0.5880,
0.0000

137.0985,
145.0543, 124.8760

■ 0.0000, 0.0000,
0.0000

170.9346,

180.7819, 158.3402

209.9245,
221.9415, 197.3048

■ 21.8548, 23.2326,
16.1644

■ 21.8548, 23.2326,
16.1644

■ 20.7169, 22.0022,
12.5624

■ 23.1322, 24.5480,
20.4107

■ 19.7105, 20.8508,
9.5710

■ 24.5531, 25.9479,
25.3299

■ 18.8292, 19.7765,
7.1556

■ 26.1237, 27.4357,
30.9505

■ 18.0657, 18.7760,
5.2775

■ 27.8491, 29.0138,
37.2990

■ 17.4114, 17.8456,
3.8934

■ 29.7343, 30.6844,
44.4006

■ 16.8566, 16.9812,
2.9530

■ 31.7839, 32.4498,
52.2791

■ 16.3834, 16.1752,
2.3620

■ 34.0025, 34.3118,
60.9573

■ 16.2685, 15.9769,
2.2264

■ 36.3943, 36.2725,
70.4572

■ 38.9635, 38.3339,
80.7999

Harmonies

Analogous

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



23.7628, 23.2326, 16.9817



21.8548, 23.2326, 16.1644



20.1091, 23.2326, 17.4870

Triad

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



21.8548, 23.2326, 16.1644



19.1534, 23.2326, 31.5824



25.5449, 23.2326, 30.2898

Complementary

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



21.8548, 23.2326, 16.1644



16.3810, 16.6464, 27.9410

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.



24.1797, 23.2326, 35.1409



21.8548, 23.2326, 16.1644



20.4822, 23.2326, 35.9596

Square

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



21.8548, 23.2326, 16.1644



18.6073, 23.2326, 25.9546



22.3105, 23.2326, 37.3471



25.9641, 23.2326, 24.6493

Rectangle

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



21.8548, 23.2326, 16.1644



19.2509, 23.2326, 19.5346



22.3105, 23.2326, 37.3471



25.1777, 23.2326, 32.0924

Sweetspot

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



21.8554, 23.2337, 16.1649



43.1126, 45.5782, 44.0180



19.0090, 16.6528, 17.9538



9.5501, 10.1031, 9.5536



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.8554, 23.2337, 16.1649



37.2628, 39.6023, 24.4229



21.7785, 25.3039, 16.5685



5.7241, 6.0546, 5.7563



14.6218, 14.3753, 2.0041



0.1575, 0.1729, 0.0251

Inverse Universe

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



16.3810, 16.6464, 27.9410



25.9464, 25.9888, 48.7767



16.4278, 15.1051, 27.6411



5.2350, 5.4658, 6.8079



4.9743, 2.9347, 23.2814



0.0632, 0.0593, 0.2278

Previews

White Background



This preview shows how the XYZ color 21.8548, 23.2326, 16.1644 looks on a white 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

Black Background



This preview shows how the XYZ color 21.8548, 23.2326, 16.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

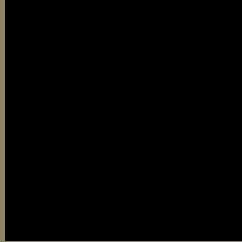
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8548, 23.2326, 16.1644

Background



This preview shows how black text looks on a background with the XYZ color 21.8548, 23.2326, 16.1644.



This preview shows how white text looks on a background with the XYZ color 21.8548, 23.2326,

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

21.8548, 23.2326, 16.1644

Protanopia

21.6840, 23.1445, 16.1564

Deuteranopia

23.6056, 23.1468, 16.3203



Tritanopia

23.9588, 23.0959, 26.8621

Trichromacy



Original Color

21.8548, 23.2326, 16.1644

Protanomaly

21.6840, 23.1445, 16.1564

Deuteranomaly

22.9266, 23.1840, 16.3633

Tritanomaly

23.2290, 23.2009, 22.6560

Monochromacy



Original Color

21.8548, 23.2326, 16.1644

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8558, 23.1172, 21.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8548, 23.2326, 16.1644 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(142, 132, 103)` looks like.

```
.text, #text, p{  
    color:rgb(142, 132, 103)  
}
```

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(142, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 132, 103) }
```

Border

The CSS property to change the border of an element to XYZ 21.8548, 23.2326, 16.1644 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(142, 132, 103) }
```


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

```
.border{ border-color:rgb(142, 132, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 132, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 132, 103);  
box-shadow:4px 4px 4px 4px rgb(142, 132,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8548, 23.2326, 16.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 132, 103) }
```

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

```
.background{ background-color: rgb(142,  
132, 103) }
```

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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