

Converting Colors

XYZ(24.8417, 20.9842, 5.2945)

Have a look what the booklet for
XYZ(24.8417, 20.9842, 5.2945)
contains.

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Color

**XYZ(24.8915, 21.0524,
5.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	B46E2E
RGB	180, 110, 46
RGB Percent	71%, 43%, 18%
CMY	0.2941, 0.5686, 0.8196
CMYK	0.00, 0.39, 0.74, 0.29
HSL	29°, 59%, 44%
HSV	29°, 74%, 71%
XYZ	24.8915, 21.0524, 5.3364
YIQ	123.6340, 62.2640, -5.0640

Conversions

Conversions Part 2

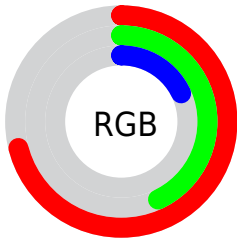
Format	Color
R_{YB}	180, 169, 46
Decimal	11824686
CIE _{Lab}	53.01, 22.45, 45.79
CIE _{LCh}	53, 50.995, 63.878
Yxy	21.0524, 0.4854, 0.4105
Android (android.graphics.Color)	4290014766 (0xFFB46E2E)
YUV	123.6340, -38.2736, 49.4330
Hunter-Lab	45.8829, 16.5413, 25.2223

Details

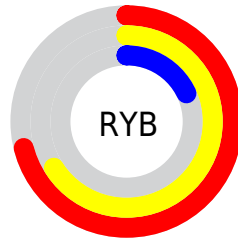
The XYZ color **24.8915, 21.0524, 5.3364** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.6100, 16.3662, 45.5161**, and the grayscale version is **19.1456, 20.1427, 21.9354**.

A 20% lighter version of the original color is **50.9668, 45.2105, 17.1066**, and **9.7487, 7.5828, 0.9498** is the 20% darker color. If you saturate the color by 10%, you get **23.6471, 19.0175, 3.5232**, and if you desaturate by 10%, it is **26.3932, 23.3643, 7.9695**.

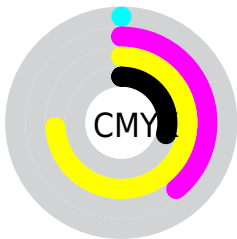
Distribution



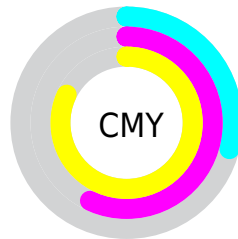
- Red (71%)
- Green (43%)
- Blue (18%)



- Red (71%)
- Yellow (66%)
- Blue (18%)



- Cyan (0%)
- Magenta (39%)
- Yellow (74%)
- Black (29%)





- Cyan (29%)
- Magenta (57%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8915, 21.0524, 5.3364 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 24.8915, 21.0524, 5.3364 by changing the saturation by 10% instead.


 24.8915, 21.0524,
5.3364


 24.8915, 21.0524,
5.3364


269.6548,
257.5568, 162.0882


 16.1245, 13.1623,
2.3838


 50.9253, 45.1747,
16.9904


 9.7037, 7.5404,
0.7776


 68.9229, 62.1758,
26.5288


 5.2637, 3.8023,
0.0000

 90.7280, 82.9825,
39.0997

 2.4392, 1.5636,
0.0000

 116.7061,
107.9795, 55.1214

 0.8647, 0.3329,
0.0000

 147.2224,
137.5510, 75.0126

 0.0000, 0.0000,
0.0000

 182.6424,

172.0815, 99.1917

223.3314,
211.9553, 128.0774

■ 24.8915, 21.0524,
5.3364

■ 24.8915, 21.0524,
5.3364

■ 23.6471, 19.0175,
3.5232

■ 26.3932, 23.3643,
7.9695

■ 22.6353, 17.2416,
2.4222

■ 28.1706, 25.9630,
11.5097

■ 22.1481, 16.3549,
1.9895

■ 30.2416, 28.8614,
16.0340

■ 32.6220, 32.0705,
21.6111

■ 35.3263, 35.6007,
28.3031

■ 38.3679, 39.4617,
36.1674

■ 41.7594, 43.6628,
45.2576

■ 45.5128, 48.2130,
55.6236

■ 49.6393, 53.1207,
67.3128

Harmonies

Analogous

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



29.8279, 21.0524, 10.1055



24.8915, 21.0524, 5.3364



19.3217, 21.0524, 4.2983

Triad

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



24.8915, 21.0524, 5.3364



11.3979, 21.0524, 24.9743



26.3122, 21.0524, 57.1331

Complementary

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



24.8915, 21.0524, 5.3364



15.6100, 16.3662, 45.5161

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.



20.7138, 21.0524, 66.6968



24.8915, 21.0524, 5.3364



12.6238, 21.0524, 43.5902

Square

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



24.8915, 21.0524, 5.3364



12.1187, 21.0524, 12.2403



15.8119, 21.0524, 60.8766



30.7454, 21.0524, 38.5024

Rectangle

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



24.8915, 21.0524, 5.3364



16.1262, 21.0524, 5.1539



15.8119, 21.0524, 60.8766



24.4714, 21.0524, 61.8169

Sweetspot

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



24.8920, 21.0535, 5.3368



65.1432, 65.9490, 54.0892



23.0379, 12.9528, 18.2600



13.7783, 13.8668, 10.9248



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.8920, 21.0535, 5.3368



41.7148, 32.4709, 5.0348



34.7494, 40.7684, 8.6226



8.8200, 9.1525, 8.9543



15.5246, 11.5478, 1.4107



0.5470, 0.4804, 0.0639

Inverse Universe

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



15.6100, 16.3662, 45.5161



24.0047, 23.4842, 81.5623



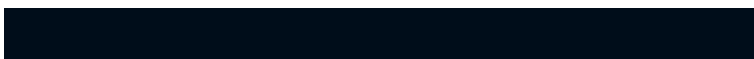
10.5258, 6.1977, 43.8213



8.3969, 8.9401, 10.7894



8.6126, 8.0256, 31.2322



0.3290, 0.3685, 1.0020

Previews

White Background



This preview shows how the XYZ color 24.8915, 21.0524, 5.3364 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 24.8915, 21.0524, 5.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

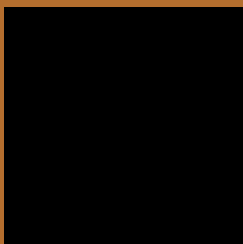
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.8915, 21.0524, 5.3364

Background



This preview shows how black text looks on a background with the XYZ color 24.8915, 21.0524, 5.3364.



This preview shows how white text looks on a background with the XYZ color 24.8915, 21.0524,

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

24.8915, 21.0524, 5.3364

Protanopia

19.3422, 21.1685, 6.1985

Deuteranopia

21.5715, 21.2201, 5.2444



Tritanopia

27.4867, 21.0385, 17.6511

Trichromacy



Original Color

24.8915, 21.0524, 5.3364

Protanomaly

21.1021, 20.9644, 5.8401

Deuteranomaly

22.7523, 21.1199, 5.2602

Tritanomaly

26.4028, 21.0635, 11.6909

Monochromacy



Original Color

24.8915, 21.0524, 5.3364

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.2097, 19.9675, 13.8553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8915, 21.0524, 5.3364 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(180, 110, 46)` looks like.

```
.text, #text, p{  
    color:rgb(180, 110, 46)  
}
```

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(180, 110, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 110, 46) }
```

Border

The CSS property to change the border of an element to XYZ 24.8915, 21.0524, 5.3364 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(180, 110, 46) }
```


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

```
.border{ border-color:rgb(180, 110, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 110, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 110, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 110, 46);  
box-shadow:4px 4px 4px 4px rgb(180, 110,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8915, 21.0524, 5.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 110, 46) }
```

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

```
.background{ background-color: rgb(180,  
110, 46) }
```

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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