

Converting Colors

XYZ(24.6946, 21.9215, 3.0812)

Have a look what the booklet for
XYZ(24.6946, 21.9215, 3.0812)
contains.

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Color

**XYZ(24.6329, 21.9667,
3.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	B27405
RGB	178, 116, 5
RGB Percent	70%, 45%, 2%
CMY	0.3020, 0.5451, 0.9804
CMYK	0.00, 0.35, 0.97, 0.30
HSL	38°, 95%, 36%
HSV	38°, 97%, 70%
XYZ	24.6329, 21.9667, 3.0853
YIQ	121.8840, 72.5830, -21.3770

Conversions

Conversions Part 2

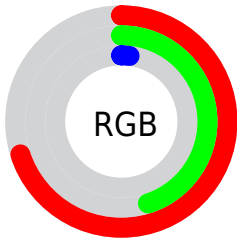
Format	Color
R_{YB}	102, 178, 5
Decimal	11695109
CIE Lab	53.99, 17.10, 59.70
CIE LCh	54, 62.101, 74.021
Yxy	21.9667, 0.4958, 0.4421
Android (android.graphics.Color)	4289885189 (0xFFB27405)
YUV	121.8840, -57.6238, 49.2137
Hunter-Lab	46.8686, 11.7947, 28.9051

Details

The XYZ color **24.6329, 21.9667, 3.0853** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.1058, 7.2613, 42.9881**, and the grayscale version is **18.6272, 19.5972, 21.3414**.

A 20% lighter version of the original color is **50.6426, 46.7733, 11.8278**, and **9.8129, 8.1273, 1.0515** is the 20% darker color. If you saturate the color by 10%, you get **24.4010, 21.5470, 2.8729**, and if you desaturate by 10%, it is **25.5195, 23.5396, 3.9991**.

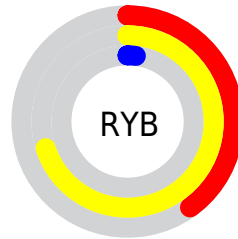
Distribution



Red (70%)

Green (45%)

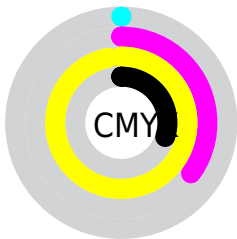
Blue (2%)



Red (40%)

Yellow (70%)

Blue (2%)

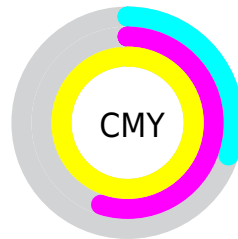


Cyan (0%)

Magenta (35%)

Yellow (97%)

Black (30%)



Cyan (30%)


Magenta (55%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6329, 21.9667, 3.0853 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 24.6329, 21.9667, 3.0853 by changing the saturation by 10% instead.


 24.6329, 21.9667,
3.0853


 24.6329, 21.9667,
3.0853


268.3863,
262.3723, 137.4397


 15.9310, 13.8324,
1.1384


 50.5082, 46.6910,
11.8382

 9.5659, 8.0042,
0.0000


 68.4124, 64.0497,
19.4812


 5.1721, 4.0976,
0.0000

 90.1148, 85.2521,
29.8601

 2.3844, 1.7283,
0.0000

 115.9806,
110.6826, 43.3932

 0.8373, 0.4419,
0.0000

 146.3754,
140.7254, 60.4992

 0.0000, 0.0000,
0.0000

 181.6643,

175.7650, 81.5966

222.2128,
216.1859, 107.1039

24.6329, 21.9667,
3.0853

24.6329, 21.9667,
3.0853

24.4010, 21.5470,
2.8729

25.5195, 23.5396,
3.9991

26.5725, 25.2604,
5.5374

27.8179, 27.1421,
7.8304

29.2736, 29.1933,
10.9674

30.9549, 31.4215,
15.0250

■ 32.8755, 33.8337,
20.0710

■ 35.0480, 36.4363,
26.1670

■ 37.4839, 39.2351,
33.3693

■ 40.1938, 42.2358,
41.7303

Harmonies

Analogous

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



31.5901, 21.9667, 6.3403



24.6329, 21.9667, 3.0853



17.9081, 21.9667, 3.0027

Triad

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



24.6329, 21.9667, 3.0853



10.7014, 21.9667, 34.0261



31.1814, 21.9667, 61.5082

Complementary

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



24.6329, 21.9667, 3.0853



10.1058, 7.2613, 42.9881

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.



24.1609, 21.9667, 80.6070



24.6329, 21.9667, 3.0853



12.9120, 21.9667, 59.8489

Square

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



24.6329, 21.9667, 3.0853



10.7746, 21.9667, 15.1251



17.5267, 21.9667, 79.8753



35.8885, 21.9667, 35.5909

Rectangle

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



24.6329, 21.9667, 3.0853



14.4638, 21.9667, 4.5109



17.5267, 21.9667, 79.8753



28.9552, 21.9667, 69.4327

Sweetspot

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



24.6334, 21.9678, 3.0857



62.6040, 64.9514, 44.7180



19.4712, 9.9964, 6.4425



13.4988, 13.9465, 8.8627



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.



24.6334, 21.9678, 3.0857



44.0251, 38.6246, 5.1349



29.4526, 38.8136, 6.0833



8.9358, 9.3841, 8.9929



17.5205, 15.5395, 2.0760



0.6040, 0.5945, 0.0829

Inverse Universe

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



10.1058, 7.2613, 42.9881



17.6780, 12.0399, 77.7734



8.5711, 3.5710, 42.3567



8.2829, 8.7120, 10.7514



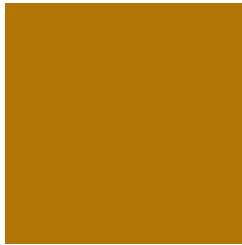
7.1079, 5.0162, 30.7306



0.2801, 0.2707, 0.9857

Previews

White Background



This preview shows how the XYZ color 24.6329, 21.9667, 3.0853 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 24.6329, 21.9667, 3.0853 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 24.6329, 21.9667, 3.0853

Background



This preview shows how black text looks on a background with the XYZ color 24.6329, 21.9667, 3.0853.



This preview shows how white text looks on a background with the XYZ color 24.6329, 21.9667,

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

24.6329, 21.9667, 3.0853

Protanopia

19.9093, 22.1053, 3.5982

Deuteranopia

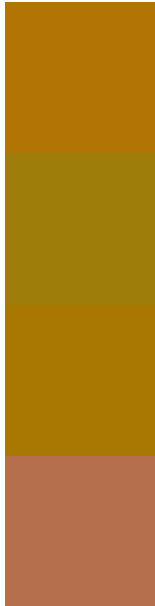
22.3928, 22.0584, 3.0775



Tritanopia

28.0434, 22.0534, 19.3017

Trichromacy



Original Color

24.6329, 21.9667, 3.0853

Protanomaly

21.4890, 21.9582, 3.3929

Deuteranomaly

23.0896, 21.8723, 3.0623

Tritanomaly

26.0450, 21.7144, 9.6561

Monochromacy



Original Color

24.6329, 21.9667, 3.0853

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2831, 19.7482, 10.1926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6329, 21.9667, 3.0853 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(178, 116, 5)` looks like.

```
.text, #text, p{  
    color:rgb(178, 116, 5)  
}
```

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(178, 116, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 116, 5) }
```

Border

The CSS property to change the border of an element to XYZ 24.6329, 21.9667, 3.0853 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(178, 116, 5) }
```


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

```
.border{ border-color:rgb(178, 116, 5) }
```

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

Here you see how a box with a 4 pixel rgb(178, 116, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 116, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 116, 5);  
box-shadow:4px 4px 4px 4px rgb(178, 116,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6329, 21.9667, 3.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 116, 5) }
```

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

```
.background{ background-color: rgb(178,  
116, 5) }
```

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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