

Converting Colors

XYZ(30.5527, 29.1237, 9.5362)

Have a look what the booklet for
XYZ(30.5527, 29.1237, 9.5362)
contains.

XYZ(30.6254, 29.1591, 9.4830)	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(30.6254, 29.1591,
9.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8A44
RGB	187, 138, 68
RGB Percent	73%, 54%, 27%
CMY	0.2667, 0.4588, 0.7333
CMYK	0.00, 0.26, 0.64, 0.27
HSL	35°, 47%, 50%
HSV	35°, 64%, 73%
XYZ	30.6254, 29.1591, 9.4830
YIQ	144.6710, 51.6740, -11.3820

Conversions

Conversions Part 2

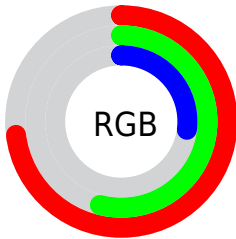
Format	Color
R_{YB}	151, 187, 68
Decimal	12290628
CIE _{Lab}	60.92, 11.22, 43.97
CIE _{LCh}	61, 45.381, 75.682
Yxy	29.1591, 0.4421, 0.4210
Android (android.graphics.Color)	4290480708 (0xFFBB8A44)
YUV	144.6710, -37.7988, 37.1225
Hunter-Lab	53.9992, 6.7370, 27.3873

Details

The XYZ color **30.6254, 29.1591, 9.4830** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.7146, 17.5387, 49.4651**, and the grayscale version is **26.9145, 28.3162, 30.8363**.

A 20% lighter version of the original color is **59.9666, 58.1863, 25.5233**, and **12.8048, 11.7689, 2.1690** is the 20% darker color. If you saturate the color by 10%, you get **29.0776, 26.8358, 6.5866**, and if you desaturate by 10%, it is **32.4349, 31.7147, 13.3652**.

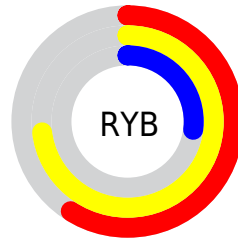
Distribution



Red (73%)

Green (54%)

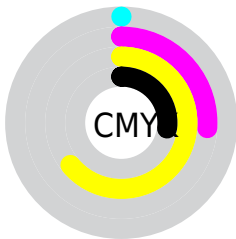
Blue (27%)



Red (59%)

Yellow (73%)

Blue (27%)

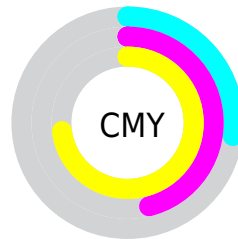


Cyan (0%)

Magenta (26%)

Yellow (64%)

Black (27%)



Cyan (27%)


Magenta (46%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6254, 29.1591, 9.4830 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 30.6254, 29.1591, 9.4830 by changing the saturation by 10% instead.


 30.6254, 29.1591,
9.4830


 30.6254, 29.1591,
9.4830


296.6666,
297.9649, 197.2901

 20.4642, 19.2012,
4.9565


 60.0297, 58.3298,
25.4109


 12.8431, 11.8158,
2.1634

 80.0035, 78.3113,
37.6492


 7.3969, 6.6183,
0.6532


 103.9788,
102.4029, 53.2953

 3.7600, 3.2246,
0.0000

 132.3211,
130.9889, 72.7677

 1.5673, 1.2501,
0.0000

 165.3957,
164.4537, 96.4848

 0.3710, 0.1020,
0.0000

203.5679,

 0.0000, 0.0000,

203.1817, 124.8652

0.0000

247.2031,
247.5573, 158.3274

■ 30.6254, 29.1591,
9.4830

■ 30.6254, 29.1591,
9.4830

■ 29.0776, 26.8358,
6.5866

■ 32.4349, 31.7147,
13.3652

■ 27.7698, 24.7301,
4.5788

■ 34.5214, 34.5078,
18.3144

■ 26.6793, 22.8314,
3.3454

■ 36.9008, 37.5483,
24.4053

■ 26.0701, 21.7180,
2.8180

■ 39.5876, 40.8443,
31.7053

■ 42.5947, 44.4034,
40.2765

■ 45.9345, 48.2328,
50.1768

■ 49.6186, 52.3391,
61.4604

■ 53.6579, 56.7291,
74.1786

■ 58.0629, 61.4090,
88.3799

Harmonies

Analogous

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



36.4498, 29.1591, 13.6737



30.6254, 29.1591, 9.4830



24.7512, 29.1591, 9.5731

Triad

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



30.6254, 29.1591, 9.4830



18.1388, 29.1591, 41.3989



36.6804, 29.1591, 60.3958

Complementary

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



30.6254, 29.1591, 9.4830



17.7146, 17.5387, 49.4651

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.



30.9061, 29.1591, 74.5999



30.6254, 29.1591, 9.4830



20.5004, 29.1591, 61.2426

Square

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



30.6254, 29.1591, 9.4830



18.0860, 29.1591, 24.3523



24.9948, 29.1591, 74.9556



40.2684, 29.1591, 40.5103

Rectangle

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



30.6254, 29.1591, 9.4830



21.5928, 29.1591, 11.9526



24.9948, 29.1591, 74.9556



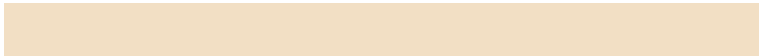
34.8968, 29.1591, 66.2615

Sweetspot

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



30.6261, 29.1605, 9.4836



73.1607, 75.8526, 63.1425



25.8060, 15.9974, 18.7380



15.7780, 16.3067, 12.9640



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.6261, 29.1605, 9.4836



51.1887, 46.6636, 10.3307



36.9641, 45.3148, 12.2676



9.9839, 10.4438, 10.0663



18.0351, 15.1090, 1.9658



0.7694, 0.7178, 0.0980

Inverse Universe

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



17.7146, 17.5387, 49.4651



26.3349, 24.3641, 87.5161



14.1721, 9.3386, 48.0691



9.3305, 9.8532, 12.0823



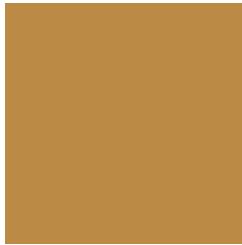
8.0759, 6.2635, 33.1762



0.3809, 0.3745, 1.3211

Previews

White Background



This preview shows how the XYZ color 30.6254, 29.1591, 9.4830 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 30.6254, 29.1591, 9.4830 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 30.6254, 29.1591, 9.4830

Background



This preview shows how black text looks on a background with the XYZ color 30.6254, 29.1591, 9.4830.



This preview shows how white text looks on a background with the XYZ color 30.6254, 29.1591,

9.4830.

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

30.6254, 29.1591, 9.4830

Protanopia

26.6753, 29.1089, 10.1739

Deuteranopia

29.6826, 29.1065, 9.3639



Tritanopia

34.4545, 29.0652, 28.6051

Trichromacy



Original Color

30.6254, 29.1591, 9.4830

Protanomaly

28.0920, 29.1594, 9.9421

Deuteranomaly

30.0129, 29.0608, 9.3376

Tritanomaly

32.6600, 28.9371, 19.7836

Monochromacy



Original Color

30.6254, 29.1591, 9.4830

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.3811, 28.1039, 20.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6254, 29.1591, 9.4830 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(187, 138, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 138, 68)  
}
```

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(187, 138, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 138, 68) }
```

Border

The CSS property to change the border of an element to XYZ 30.6254, 29.1591, 9.4830 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(187, 138, 68) }
```


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

```
.border{ border-color:rgb(187, 138, 68) }
```

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

Here you see how a box with a 4 pixel rgb(187, 138, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 138, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 138, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 138,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6254, 29.1591, 9.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 138, 68) }
```

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

```
.background{ background-color: rgb(187,  
138, 68) }
```

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