

Converting Colors

XYZ(29.3872, 29.5794, 6.4150)

Have a look what the booklet for
XYZ(29.3872, 29.5794, 6.4150)
contains.

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Color

**XYZ(29.5499, 29.7644,
6.4732)**

Conversions

Conversions Part 1

Format	Color
Hex	B68F2B
RGB	182, 143, 43
RGB Percent	71%, 56%, 17%
CMY	0.2863, 0.4392, 0.8314
CMYK	0.00, 0.21, 0.76, 0.29
HSL	43°, 62%, 44%
HSV	43°, 76%, 71%
XYZ	29.5499, 29.7644, 6.4732
YIQ	143.2610, 55.3440, -22.8320

Conversions

Conversions Part 2

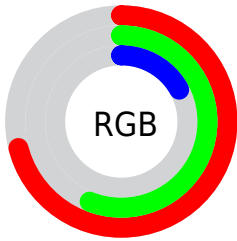
Format	Color
R_{YB}	97, 182, 43
Decimal	11964203
CIE _{Lab}	61.45, 4.88, 55.48
CIE _{LCh}	61, 55.692, 84.970
Yxy	29.7644, 0.4492, 0.4524
Android (android.graphics.Color)	4290154283 (0xFFB68F2B)
YUV	143.2610, -49.4287, 33.9741
Hunter-Lab	54.5568, 1.2077, 31.1549

Details

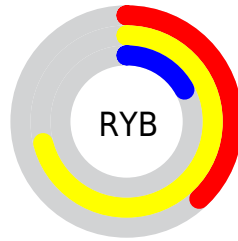
The XYZ color **29.5499, 29.7644, 6.4732** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.4570, 9.9254, 45.5149**, and the grayscale version is **26.3895, 27.7639, 30.2348**.

A 20% lighter version of the original color is **58.1269, 59.0252, 19.3957**, and **12.3718, 12.1887, 1.7006** is the 20% darker color. If you saturate the color by 10%, you get **28.5386, 28.1624, 4.8404**, and if you desaturate by 10%, it is **30.7464, 31.4987, 8.9031**.

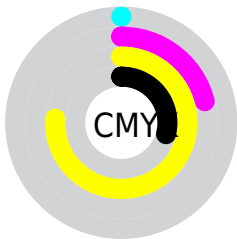
Distribution



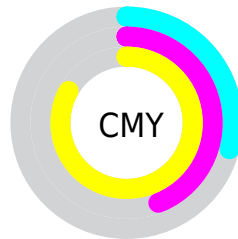
- Red (71%)
- Green (56%)
- Blue (17%)



- Red (38%)
- Yellow (71%)
- Blue (17%)



- Cyan (0%)
- Magenta (21%)
- Yellow (76%)
- Black (29%)





- Cyan (29%)
- Magenta (44%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5499, 29.7644, 6.4732 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 29.5499, 29.7644, 6.4732 by changing the saturation by 10% instead.


 29.5499, 29.7644,
6.4732


 29.5499, 29.7644,
6.4732


291.7484,
300.8047, 172.6730


 19.6436, 19.6598,
3.0615


 58.3412, 59.2894,
19.3998

 12.2430, 12.1480,
1.1261


 77.9568, 79.4786,
29.7518

 6.9828, 6.8446,
0.0000


 101.5396,
103.7981, 43.2542

 3.4976, 3.3651,
0.0000

 129.4549,
132.6324, 60.3258

 1.4220, 1.3252,
0.0000

 162.0681,
166.3658, 81.3849

 0.2718, 0.1606,
0.0000

 199.7445,

 0.0000, 0.0000,

205.3827, 106.8501

0.0000

242.8495,
250.0676, 137.1400

■ 29.5499, 29.7644,
6.4732

■ 29.5499, 29.7644,
6.4732

■ 28.5386, 28.1624,
4.8404

■ 30.7464, 31.4987,
8.9031

■ 27.6867, 26.6779,
3.8798

■ 32.1440, 33.3689,
12.2211

■ 27.3996, 26.1616,
3.6056

■ 33.7592, 35.3833,
16.5078

■ 35.6056, 37.5482,
21.8341

■ 37.6961, 39.8693,
28.2643

■ 40.0421, 42.3520,
35.8576

■ 42.6545, 45.0012,
44.6686

■ 45.5434, 47.8215,
54.7488

■ 48.7183, 50.8175,
66.1466

Harmonies

Analogous

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



37.2203, 29.7644, 9.2536



29.5499, 29.7644, 6.4732



22.7244, 29.7644, 7.7959

Triad

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



29.5499, 29.7644, 6.4732



17.2984, 29.7644, 52.7158



41.5395, 29.7644, 61.7004

Complementary

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



29.5499, 29.7644, 6.4732



12.4570, 9.9254, 45.5149

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.



34.6977, 29.7644, 84.8159



29.5499, 29.7644, 6.4732



20.9165, 29.7644, 78.2412

Square

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



29.5499, 29.7644, 6.4732



16.4003, 29.7644, 28.9813



27.0668, 29.7644, 91.9056



44.8676, 29.7644, 36.0955

Rectangle

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



29.5499, 29.7644, 6.4732



19.4174, 29.7644, 11.3530



27.0668, 29.7644, 91.9056



39.5224, 29.7644, 70.3928

Sweetspot

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



29.5506, 29.7659, 6.4738



69.5623, 73.5946, 55.1236



21.6930, 12.2881, 9.2884



15.0395, 15.9050, 11.1432



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.5506, 29.7659, 6.4738



50.6063, 49.1049, 7.4258



30.0911, 40.2943, 8.4775



9.5315, 10.0659, 9.5475



19.4078, 18.5919, 2.5657



0.7336, 0.7543, 0.1069

Inverse Universe

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



12.4570, 9.9254, 45.5149



18.4579, 12.0252, 81.5840



12.0642, 6.5266, 44.8795



8.7208, 9.1188, 11.3799



6.8500, 4.1596, 31.6949



0.2956, 0.2549, 1.1354

Previews

White Background



This preview shows how the XYZ color 29.5499, 29.7644, 6.4732 looks on a white background.

Color Contrast Check

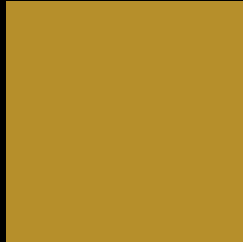
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5499, 29.7644, 6.4732 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 29.5499, 29.7644, 6.4732

Background



This preview shows how black text looks on a background with the XYZ color 29.5499, 29.7644, 6.4732.



This preview shows how white text looks on a background with the XYZ color 29.5499, 29.7644,

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

29.5499, 29.7644, 6.4732

Protanopia

27.1574, 29.8998, 6.8225

Deuteranopia

30.2292, 29.6707, 6.5166



Tritanopia

34.5454, 29.8826, 30.3327

Trichromacy



Original Color

29.5499, 29.7644, 6.4732

Protanomaly

27.9016, 29.8199, 6.6681

Deuteranomaly

30.1352, 29.8421, 6.5547

Tritanomaly

31.8492, 29.3920, 17.9045

Monochromacy



Original Color

29.5499, 29.7644, 6.4732

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.3809, 27.8746, 17.8998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5499, 29.7644, 6.4732 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(182, 143, 43)` looks like.

```
.text, #text, p{  
    color:rgb(182, 143, 43)  
}
```

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(182, 143, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 143, 43) }
```

Border

The CSS property to change the border of an element to XYZ 29.5499, 29.7644, 6.4732 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(182, 143, 43) }
```


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

```
.border{ border-color:rgb(182, 143, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 143, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 143, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 143, 43);  
box-shadow:4px 4px 4px 4px rgb(182, 143,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5499, 29.7644, 6.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 143, 43) }
```

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

```
.background{ background-color: rgb(182,  
143, 43) }
```

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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