

Converting Colors

XYZ(27.8356, 30.3038, 6.8652)

Have a look what the booklet for
XYZ(27.8356, 30.3038, 6.8652)
contains.

XYZ(27.7987, 30.2304, 6.8525)	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(27.7987, 30.2304,
6.8525)**

Conversions

Conversions Part 1

Format	Color
Hex	AA952D
RGB	170, 149, 45
RGB Percent	67%, 58%, 18%
CMY	0.3333, 0.4157, 0.8235
CMYK	0.00, 0.12, 0.74, 0.33
HSL	50°, 58%, 42%
HSV	50°, 74%, 67%
XYZ	27.7987, 30.2304, 6.8525
YIQ	143.4230, 45.9000, -27.8920

Conversions

Conversions Part 2

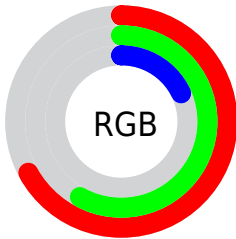
Format	Color
RYB	70, 170, 45
Decimal	11179309
CIELab	61.85, -3.68, 54.67
CIELCh	62, 54.798, 93.848
Yxy	30.2304, 0.4285, 0.4659
Android (android.graphics.Color)	4289369389 (0xFFAA952D)
YUV	143.4230, -48.5225, 23.3080
Hunter-Lab	54.9822, -5.9702, 31.0981

Details

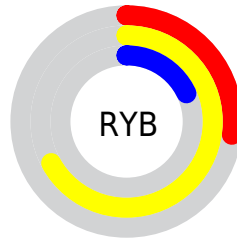
The XYZ color **27.7987, 30.2304, 6.8525** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.2861, 7.3565, 38.9079**, and the grayscale version is **26.4538, 27.8314, 30.3084**.

A 20% lighter version of the original color is **55.5554, 60.0877, 20.2253**, and **11.4013, 12.5011, 1.8120** is the 20% darker color. If you saturate the color by 10%, you get **27.0890, 29.2337, 5.3137**, and if you desaturate by 10%, it is **28.6526, 31.3049, 9.0902**.

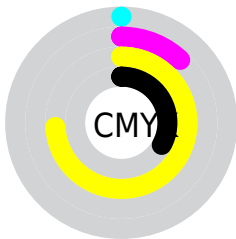
Distribution



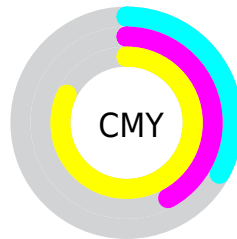
- Red (67%)
- Green (58%)
- Blue (18%)



- Red (27%)
- Yellow (67%)
- Blue (18%)



- Cyan (0%)
- Magenta (12%)
- Yellow (74%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7987, 30.2304, 6.8525 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 27.7987, 30.2304, 6.8525 by changing the saturation by 10% instead.


 27.7987, 30.2304,
6.8525


 27.7987, 30.2304,
6.8525


283.6013,
302.9769, 176.0166


 18.3136, 20.0135,
3.2930


 55.5738, 60.0264,
20.1837


 11.2765, 12.4049,
1.2461


 74.5945, 80.3742,
30.7924

 6.3218, 7.0201,
0.0170


 97.5246, 104.8679,
44.5879

 3.0842, 3.4746,
0.0000

 124.7292,
133.8917, 61.9888

 1.1985, 1.3843,
0.0000

 156.5739,
167.8302, 83.4135

 0.1051, 0.2051,
0.0000

 193.4239,

 0.0000, 0.0000,

207.0676, 109.2807

0.0000

235.6446,
251.9884, 140.0089

■ 27.7987, 30.2304,
6.8525

■ 27.7987, 30.2304,
6.8525

■ 27.0890, 29.2337,
5.3137

■ 28.6526, 31.3049,
9.0902

■ 26.5045, 28.3034,
4.3829

■ 29.6629, 32.4587,
12.0995

■ 26.1682, 27.7274,
3.9727

■ 30.8428, 33.6982,
15.9459

■ 32.2032, 35.0280,
20.6875

■ 33.7543, 36.4523,
26.3772

■ 35.5054, 37.9750,
33.0636

■ 37.4652, 39.5996,
40.7923

■ 39.6419, 41.3295,
49.6058

■ 42.0432, 43.1680,
59.5443

Harmonies

Analogous

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



35.3945, 30.2304, 8.3702



27.7987, 30.2304, 6.8525



21.5842, 30.2304, 9.5038

Triad

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



27.7987, 30.2304, 6.8525



18.5564, 30.2304, 60.8630



43.3109, 30.2304, 54.0728

Complementary

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



27.7987, 30.2304, 6.8525



10.2861, 7.3565, 38.9079

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.



37.3082, 30.2304, 79.0315



27.7987, 30.2304, 6.8525



22.9648, 30.2304, 83.9827

Square

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



27.7987, 30.2304, 6.8525



16.8526, 30.2304, 35.6961



29.6882, 30.2304, 91.7464



45.1902, 30.2304, 30.2837

Rectangle

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



27.7987, 30.2304, 6.8525



18.7999, 30.2304, 14.4016



29.6882, 30.2304, 91.7464



41.6636, 30.2304, 62.8850

Sweetspot

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



27.7994, 30.2318, 6.8531



61.5839, 66.4419, 49.1357



18.5569, 10.8394, 6.5701



13.5590, 14.6609, 10.3045



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.7994, 30.2318, 6.8531



48.4819, 52.0036, 8.4966



24.1185, 33.7178, 7.7200



8.0380, 8.5561, 8.0171



19.2848, 20.4668, 2.9341



0.4967, 0.5530, 0.0806

Inverse Universe

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



10.2861, 7.3565, 38.9079



15.1921, 8.6644, 69.8736



11.9030, 6.6912, 38.6943



7.2299, 7.4967, 9.4843



5.6816, 2.8235, 28.2210



0.1671, 0.1263, 0.6962

Previews

White Background



This preview shows how the XYZ color 27.7987, 30.2304, 6.8525 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.7987, 30.2304, 6.8525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

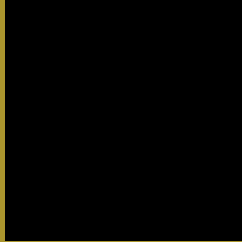
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7987, 30.2304, 6.8525

Background



This preview shows how black text looks on a background with the XYZ color 27.7987, 30.2304, 6.8525.



This preview shows how white text looks on a background with the XYZ color 27.7987, 30.2304,

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

27.7987, 30.2304, 6.8525

Protanopia

27.5284, 30.3270, 6.8854

Deuteranopia

30.7000, 30.1242, 6.9928



Tritanopia

33.0977, 30.1322, 32.9258

Trichromacy



Original Color

27.7987, 30.2304, 6.8525

Protanomaly

27.7422, 30.4372, 6.8954

Deuteranomaly

29.6945, 30.2798, 6.9688

Tritanomaly

30.4263, 29.9287, 19.5024

Monochromacy



Original Color

27.7987, 30.2304, 6.8525

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.9161, 28.0846, 17.9649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7987, 30.2304, 6.8525 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(170, 149, 45)` looks like.

```
.text, #text, p{  
    color:rgb(170, 149, 45)  
}
```

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(170, 149, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 149, 45) }
```

Border

The CSS property to change the border of an element to XYZ 27.7987, 30.2304, 6.8525 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(170, 149, 45) }
```


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

```
.border{ border-color:rgb(170, 149, 45) }
```

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

Here you see how a box with a 4 pixel rgb(170, 149, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 149, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 149, 45);  
box-shadow:4px 4px 4px 4px rgb(170, 149,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7987, 30.2304, 6.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 149, 45) }
```

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

```
.background{ background-color: rgb(170,  
149, 45) }
```

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