

Converting Colors

XYZ(27.7497, 32.6817, 6.1420)

Have a look what the booklet for
XYZ(27.7497, 32.6817, 6.1420)
contains.

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Color

**XYZ(27.7497, 32.6817,
6.1420)**

Conversions

Conversions Part 1

Format	Color
Hex	A39F1F
RGB	163, 159, 31
RGB Percent	64%, 62%, 12%
CMY	0.3608, 0.3765, 0.8784
CMYK	0.00, 0.02, 0.81, 0.36
HSL	58°, 68%, 38%
HSV	58°, 81%, 64%
XYZ	27.7497, 32.6817, 6.1420
YIQ	145.6040, 43.4720, -38.9600

Conversions

Conversions Part 2

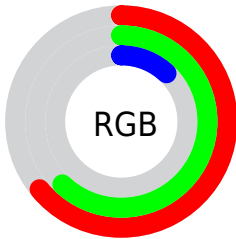
Format	Color
RYB	35, 163, 31
Decimal	10723103
CIELab	63.90, -12.71, 61.06
CIELCh	64, 62.368, 101.757
Yxy	32.6817, 0.4168, 0.4909
Android (android.graphics.Color)	4288913183 (0xFFA39F1F)
YUV	145.6040, -56.4998, 15.2563
Hunter-Lab	57.1679, -13.3987, 33.6475

Details

The XYZ color **27.7497, 32.6817, 6.1420** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.7772, 4.1379, 35.0388**, and the grayscale version is **27.3717, 28.7972, 31.3602**.

A 20% lighter version of the original color is **55.3745, 63.6652, 18.6026**, and **11.4260, 13.8509, 2.0713** is the 20% darker color. If you saturate the color by 10%, you get **27.5025, 32.4486, 5.2547**, and if you desaturate by 10%, it is **28.1073, 32.9620, 7.6027**.

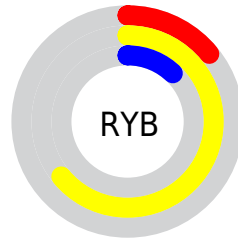
Distribution



Red (64%)

Green (62%)

Blue (12%)



Red (14%)

Yellow (64%)

Blue (12%)

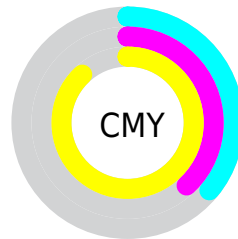


Cyan (0%)

Magenta (2%)

Yellow (81%)

Black (36%)



Cyan (36%)


Magenta (38%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7497, 32.6817, 6.1420 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 27.7497, 32.6817, 6.1420 by changing the saturation by 10% instead.


 27.7497, 32.6817,
6.1420


 27.7497, 32.6817,
6.1420


283.3708,
314.2130, 169.6817


 18.2766, 21.8827,
2.8614


 55.4960, 63.8783,
18.7077


 11.2496, 13.7707,
1.0243


 74.4999, 85.0446,
28.8298

 6.3035, 7.9614,
0.0000


 97.4114, 110.4356,
42.0696

 3.0729, 4.0703,
0.0000

 124.5959,
140.4355, 58.8456

 1.1924, 1.7129,
0.0000

 156.4187,
175.4289, 79.5762

 0.1004, 0.4320,
0.0000

 193.2452,

 0.0000, 0.0000,

215.7999, 104.6801

0.0000

235.4408,
261.9332, 134.5758

■ 27.7497, 32.6817,
6.1420

■ 27.7497, 32.6817,
6.1420

■ 27.5025, 32.4486,
5.2547

■ 28.1073, 32.9620,
7.6027

■ 27.3423, 32.2627,
4.7862

■ 28.5877, 33.2907,
9.7110

■ 29.2036, 33.6742,
12.5319

■ 29.9660, 34.1168,
16.1220

■ 30.8844, 34.6224,
20.5324

■ 31.9678, 35.1945,
25.8097

■ 33.2243, 35.8363,
31.9970

■ 34.6616, 36.5511,
39.1345

■ 36.2868, 37.3416,
47.2600

Harmonies

Analogous

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



36.6509, 32.6817, 6.5912



27.7497, 32.6817, 6.1420



21.1253, 32.6817, 10.3370

Triad

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



27.7497, 32.6817, 6.1420



20.0983, 32.6817, 78.4508



50.0047, 32.6817, 52.9598

Complementary

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



27.7497, 32.6817, 6.1420



7.7772, 4.1379, 35.0388

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.



43.7114, 32.6817, 85.1841



27.7497, 32.6817, 6.1420



26.0740, 32.6817, 104.0499

Square

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



27.7497, 32.6817, 6.1420



17.2976, 32.6817, 46.3691



34.6300, 32.6817, 106.9706



50.6865, 32.6817, 26.6174

Rectangle

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



27.7497, 32.6817, 6.1420



18.4421, 32.6817, 17.2643



34.6300, 32.6817, 106.9706



48.4271, 32.6817, 63.7044

Sweetspot

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



27.7504, 32.6832, 6.1427



56.5451, 62.6619, 42.7655



15.9037, 8.8906, 2.4997



12.5519, 13.9954, 8.8848



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.7504, 32.6832, 6.1427



49.0212, 57.8307, 8.7611



18.7565, 29.0831, 5.9218



7.6310, 8.2003, 7.5607



21.2564, 25.0868, 3.7219



0.4519, 0.5377, 0.0800

Inverse Universe

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



7.7772, 4.1379, 35.0388



12.0574, 5.0536, 62.3961



11.5751, 5.9311, 35.1848



6.7169, 6.8927, 8.8795



5.1856, 2.1506, 27.0716



0.1138, 0.0549, 0.5705

Previews

White Background



This preview shows how the XYZ color 27.7497, 32.6817, 6.1420 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 27.7497, 32.6817, 6.1420 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 27.7497, 32.6817, 6.1420

Background



This preview shows how black text looks on a background with the XYZ color 27.7497, 32.6817, 6.1420.



This preview shows how white text looks on a background with the XYZ color 27.7497, 32.6817,

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

27.7497, 32.6817, 6.1420

Protanopia

29.4112, 32.5351, 5.9581

Deuteranopia

33.2892, 32.6095, 6.3734



Tritanopia

34.1686, 32.6021, 37.7497

Trichromacy



Original Color

27.7497, 32.6817, 6.1420

Protanomaly

28.7004, 32.4167, 5.9727

Deuteranomaly

30.8984, 32.3218, 6.2003

Tritanomaly

30.5711, 32.0837, 20.2043

Monochromacy



Original Color

27.7497, 32.6817, 6.1420

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.5142, 29.8081, 17.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7497, 32.6817, 6.1420 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(163, 159, 31)` looks like.

```
.text, #text, p{  
    color:rgb(163, 159, 31)  
}
```

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(163, 159, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 159, 31) }
```

Border

The CSS property to change the border of an element to XYZ 27.7497, 32.6817, 6.1420 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(163, 159, 31) }
```


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

```
.border{ border-color:rgb(163, 159, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 159, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 159, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 159, 31);  
box-shadow:4px 4px 4px 4px rgb(163, 159,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7497, 32.6817, 6.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 159, 31) }
```

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

```
.background{ background-color: rgb(163,  
159, 31) }
```

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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