

Converting Colors

XYZ(18.0625, 12.7819, 4.5328)

Have a look what the booklet for
XYZ(18.0625, 12.7819, 4.5328)
contains.

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Color

**XYZ(18.0625, 12.7819,
4.5328)**

Conversions

Conversions Part 1

Format	Color
Hex	A34932
RGB	163, 73, 50
RGB Percent	64%, 29%, 20%
CMY	0.3608, 0.7137, 0.8039
CMYK	0.00, 0.55, 0.69, 0.36
HSL	12°, 53%, 42%
HSV	12°, 69%, 64%
XYZ	18.0625, 12.7819, 4.5328
YIQ	97.2880, 61.0230, 11.9270

Conversions

Conversions Part 2

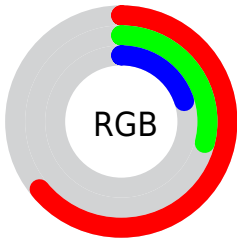
Format	Color
RYB	163, 79, 50
Decimal	10701106
CIELab	42.43, 35.60, 31.43
CIElCh	42, 47.488, 41.442
Yxy	12.7819, 0.5106, 0.3613
Android (android.graphics.Color)	4288891186 (0xFFA34932)
YUV	97.2880, -23.3130, 57.6294
Hunter-Lab	35.7518, 27.6161, 17.5091

Details

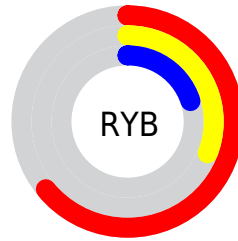
The XYZ color **18.0625, 12.7819, 4.5328** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.3036, 22.0771, 37.9993**, and the grayscale version is **11.4787, 12.0765, 13.1513**.

A 20% lighter version of the original color is **39.7967, 30.9663, 15.1888**, and **6.1595, 3.6270, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **17.0057, 11.1345, 2.7437**, and if you desaturate by 10%, it is **19.4232, 14.8369, 7.0410**.

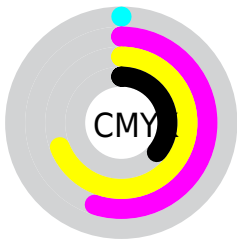
Distribution



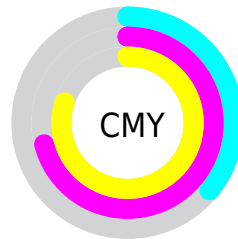
- Red (64%)
- Green (29%)
- Blue (20%)



- Red (64%)
- Yellow (31%)
- Blue (20%)



- Cyan (0%)
- Magenta (55%)
- Yellow (69%)
- Black (36%)





- Cyan (36%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0625, 12.7819, 4.5328 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 18.0625, 12.7819, 4.5328 by changing the saturation by 10% instead.


 18.0625, 12.7819,
4.5328


 18.0625, 12.7819,
4.5328

234.2619,
209.5151, 153.9752


 11.0948, 7.2785,
1.9220


 39.6730, 30.9114,
15.2210

 6.1984, 3.6369,
0.5066


 55.0466, 44.3063,
24.1355

 3.0079, 1.4726,
0.0000

 73.9529, 61.1006,
35.9882

 1.1579, 0.2693,
0.0000

 96.7572, 81.6785,
51.1978

 0.0728, 0.0000,
0.0000

 123.8249,
106.4245, 70.1827

 0.0000, 0.0000,
0.0000

 155.5213,

135.7230, 93.3616

192.2119,
169.9584, 121.1529

■ 18.0625, 12.7819,
4.5328

■ 18.0625, 12.7819,
4.5328

■ 17.0057, 11.1345,
2.7437

■ 19.4232, 14.8369,
7.0410

■ 16.2267, 9.8646,
1.5958

■ 21.1090, 17.3226,
10.3341

■ 15.6839, 8.9364,
0.9299

■ 23.1402, 20.2628,
14.4711

■ 15.6531, 8.8844,
0.8899

■ 25.5352, 23.6789,
19.5050

■ 28.3110, 27.5909,
25.4846

■ 31.4834, 32.0177,
32.4551

■ 35.0674, 36.9772,
40.4587

■ 39.0774, 42.4863,
49.5354

■ 43.5266, 48.5614,
59.7228

Harmonies

Analogous

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



20.2054, 12.7819, 10.3670



18.0625, 12.7819, 4.5328



14.4698, 12.7819, 2.3555

Triad

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



18.0625, 12.7819, 4.5328



6.7294, 12.7819, 8.5464



13.5636, 12.7819, 43.4905

Complementary

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



18.0625, 12.7819, 4.5328



17.3036, 22.0771, 37.9993

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.



10.0904, 12.7819, 42.1530



18.0625, 12.7819, 4.5328



6.5816, 12.7819, 18.1978

Square

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



18.0625, 12.7819, 4.5328



8.1446, 12.7819, 3.7633



7.6913, 12.7819, 31.4292



17.2882, 12.7819, 34.4972

Rectangle

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



18.0625, 12.7819, 4.5328



11.9767, 12.7819, 2.0578



7.6913, 12.7819, 31.4292



12.3225, 12.7819, 44.3183

Sweetspot

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



18.0628, 12.7826, 4.5330



49.6193, 47.8923, 43.2868



21.0079, 11.9730, 26.1695



10.8454, 10.3359, 9.0759



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.



18.0628, 12.7826, 4.5330



29.6696, 18.6740, 3.7082



23.5433, 23.7436, 6.3599



7.1852, 7.3088, 7.4121



12.1928, 6.9596, 0.7007



0.2861, 0.2060, 0.0247

Inverse Universe

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



17.3036, 22.0771, 37.9993



28.0695, 36.1168, 67.5479



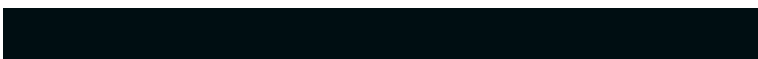
11.0889, 9.6477, 35.9278



7.1531, 7.7652, 9.0249



11.3555, 14.4905, 29.1282



0.2679, 0.3631, 0.6218

Previews

White Background



This preview shows how the XYZ color 18.0625, 12.7819, 4.5328 looks on a white 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

Black Background



This preview shows how the XYZ color 18.0625, 12.7819, 4.5328 looks on a black 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

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

XYZ 18.0625, 12.7819, 4.5328

Background



This preview shows how black text looks on a background with the XYZ color 18.0625, 12.7819, 4.5328.



This preview shows how white text looks on a background with the XYZ color 18.0625, 12.7819,

4.5328.

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

18.0625, 12.7819, 4.5328

Protanopia

11.8735, 12.9381, 6.0092

Deuteranopia

13.1140, 12.9152, 4.2843



Tritanopia

18.7700, 12.7808, 8.1343

Trichromacy



Original Color

18.0625, 12.7819, 4.5328

Protanomaly

13.5082, 12.4348, 5.4296

Deuteranomaly

14.6503, 12.6737, 4.3634

Tritanomaly

18.5464, 12.7923, 6.6459

Monochromacy



Original Color

18.0625, 12.7819, 4.5328

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.8228, 11.6236, 9.1572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0625, 12.7819, 4.5328 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, 73, 50)` looks like.

```
.text, #text, p{  
    color:rgb(163, 73, 50)  
}
```

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, 73, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 73, 50) }
```

Border

The CSS property to change the border of an element to XYZ 18.0625, 12.7819, 4.5328 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, 73, 50) }
```


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

```
.border{ border-color:rgb(163, 73, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 73, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 73, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 73, 50);  
box-shadow:4px 4px 4px 4px rgb(163, 73,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0625, 12.7819, 4.5328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 73, 50) }
```

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

```
.background{ background-color: rgb(163, 73,  
50) }
```

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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