

Converting Colors

XYZ(4.7978, 2.8224, 6.3423)

Have a look what the booklet for
XYZ(4.7978, 2.8224, 6.3423)
contains.

XYZ(4.8046, 2.8266, 6.4233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(4.8046, 2.8266, 6.4233)

Conversions

Conversions Part 1

Format	Color
Hex	501848
RGB	80, 24, 72
RGB Percent	31%, 9%, 28%
CMY	0.6863, 0.9059, 0.7176
CMYK	0.00, 0.70, 0.10, 0.69
HSL	309°, 54%, 20%
HSV	309°, 70%, 31%
XYZ	4.8046, 2.8266, 6.4233
YIQ	46.2160, 17.9680, 26.8000

Conversions

Conversions Part 2

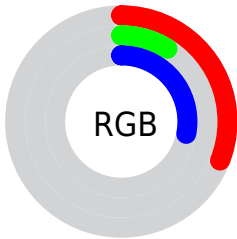
Format	Color
RYB	80, 24, 72
Decimal	5249096
CIELab	19.34, 32.57, -16.93
CIElCh	19, 36.705, 332.527
Yxy	2.8266, 0.3419, 0.2011
Android (android.graphics.Color)	4283439176 (0xFF501848)
YUV	46.2160, 12.7115, 29.6286
Hunter-Lab	16.8125, 21.5891, -10.8833

Details

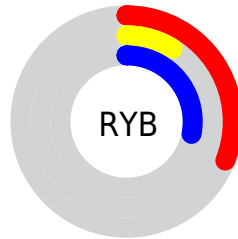
The XYZ color **4.8046, 2.8266, 6.4233** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **3.5062, 6.0359, 2.3469**, and the grayscale version is **2.6053, 2.7410, 2.9849**.

A 20% lighter version of the original color is **15.1286, 10.8405, 19.3842**, and **0.9493, 0.4638, 1.2019** is the 20% darker color. If you saturate the color by 10%, you get **4.6264, 2.5292, 6.1817**, and if you desaturate by 10%, it is **5.0322, 3.2216, 6.6849**.

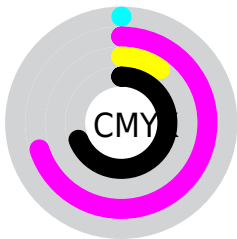
Distribution



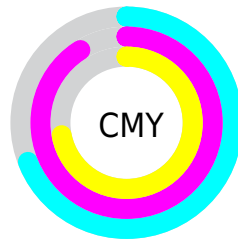
- Red (31%)
- Green (9%)
- Blue (28%)



- Red (31%)
- Yellow (9%)
- Blue (28%)



- Cyan (0%)
- Magenta (70%)
- Yellow (10%)
- Black (69%)





- Cyan (69%)
- Magenta (91%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 4.8046, 2.8266, 6.4233 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 4.8046, 2.8266, 6.4233 by changing the saturation by 10% instead.


 4.8046, 2.8266,
6.4233


 4.8046, 2.8266,
6.4233

142.9056,
126.1391, 172.2268


 2.1666, 1.0419,
3.0312

 15.1470, 10.8553,
19.2960


 0.7251, 0.0000,
1.1106

 23.5821, 17.8680,
29.6137

 0.0000, 0.0000,
0.0000

 34.6804, 27.3922,
43.0770

 48.8071, 39.8123,
60.1045

 66.3276, 55.5126,
81.1147

 87.6073, 74.8776,

106.5261

113.0115, 98.2916,
136.7573

4.8046, 2.8266,
6.4233

4.8046, 2.8266,
6.4233

4.6264, 2.5292,
6.1817

5.0322, 3.2216,
6.6849

4.4917, 2.3178,
5.9579

5.3129, 3.7215,
6.9676

4.3693, 2.1299,
5.7416

5.6501, 4.3335,
7.2725

4.3692, 2.1299,
5.7416

6.0471, 5.0639,
7.6009

6.5068, 5.9185,
7.9537

■ 7.0319, 6.9030,
8.3318

■ 7.6251, 8.0224,
8.7361

■ 8.2888, 9.2816,
9.1675

■ 9.0253, 10.6853,
9.6267

Harmonies

Analogous

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



3.8721, 2.8266, 10.5537



4.8046, 2.8266, 6.4233



5.1317, 2.8266, 2.8389

Triad

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



4.8046, 2.8266, 6.4233



2.6019, 2.8266, 0.0000



1.3592, 2.8266, 7.1422

Complementary

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



4.8046, 2.8266, 6.4233



3.5062, 6.0359, 2.3469

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.



1.1758, 2.8266, 3.3295



4.8046, 2.8266, 6.4233



1.7717, 2.8266, 0.1671

Square

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



4.8046, 2.8266, 6.4233



3.6860, 2.8266, 0.0540



1.3055, 2.8266, 1.1586



1.8865, 2.8266, 11.1212

Rectangle

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



4.8046, 2.8266, 6.4233



4.9097, 2.8266, 1.4006



1.3055, 2.8266, 1.1586



1.2622, 2.8266, 5.7386

Sweetspot

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



4.8047, 2.8267, 6.4234



11.2046, 10.0484, 13.7674



2.3540, 1.5312, 7.7610



2.8733, 2.5451, 3.5460



43.9474, 46.2361, 50.3512



3.4509, 3.6306, 3.9538

Same Dimension

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



4.8047, 2.8267, 6.4234



7.9012, 4.1414, 10.5090



4.0997, 2.5447, 2.7110



1.9461, 1.9278, 2.2964



7.6020, 3.7077, 9.9019



43.5920, 21.2830, 55.7819

Inverse Universe

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



4.8047, 2.8267, 6.4234



7.9012, 4.1414, 10.5090



4.0470, 6.2522, 5.1951



1.9461, 1.9278, 2.2964



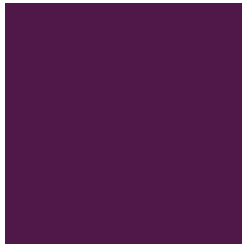
7.6020, 3.7077, 9.9019



43.5920, 21.2830, 55.7819

Previews

White Background



This preview shows how the XYZ color 4.8046, 2.8266, 6.4233 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 ✓ Pass

Black Background



This preview shows how the XYZ color 4.8046, 2.8266, 6.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

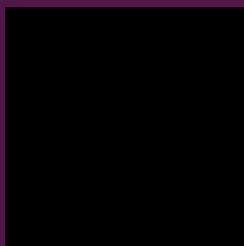
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 4.8046, 2.8266, 6.4233

Background



This preview shows how black text looks on a background with the XYZ color 4.8046, 2.8266, 6.4233.



This preview shows how white text looks on a background with the XYZ color 4.8046, 2.8266, 6.4233.

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

4.8046, 2.8266, 6.4233

Protanopia

3.3016, 2.9879, 10.5279

Deuteranopia

3.0148, 3.0027, 5.8895



Tritanopia

3.9155, 2.8721, 2.0983

Trichromacy



Original Color

4.8046, 2.8266, 6.4233

Protanomaly

3.4039, 2.6424, 8.9250

Deuteranomaly

3.3752, 2.6929, 5.9721

Tritanomaly

4.1263, 2.7880, 3.3383

Monochromacy



Original Color

4.8046, 2.8266, 6.4233

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

3.1276, 2.5616, 3.9440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.8046, 2.8266, 6.4233 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(80, 24, 72) looks like.

```
.text, #text, p{  
    color:rgb(80, 24, 72)  
}
```

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(80, 24, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 24, 72) }
```

Border

The CSS property to change the border of an element to XYZ 4.8046, 2.8266, 6.4233 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(80, 24, 72) }
```

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

```
.border{ border-color:rgb(80, 24, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 24, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 24, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 24, 72);  
box-shadow:4px 4px 4px 4px rgb(80, 24, 72)  
}
```


Background

The CSS property to change the background color of an element to XYZ 4.8046, 2.8266, 6.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 24, 72) }
```

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

```
.background{ background-color: rgb(80, 24,  
72) }
```

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