

Converting Colors

XYZ(4.6668, 6.3581, 8.0025)

Have a look what the booklet for
XYZ(4.6668, 6.3581, 8.0025)
contains.

XYZ(4.7006, 6.4191, 8.0124)	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(4.7006, 6.4191, 8.0124)

Conversions

Conversions Part 1

Format	Color
Hex	1F4F4D
RGB	31, 79, 77
RGB Percent	12%, 31%, 30%
CMY	0.8784, 0.6902, 0.6980
CMYK	0.61, 0.00, 0.03, 0.69
HSL	177°, 44%, 22%
HSV	177°, 61%, 31%
XYZ	4.7006, 6.4191, 8.0124
YIQ	64.4200, -27.9660, -10.7980

Conversions

Conversions Part 2

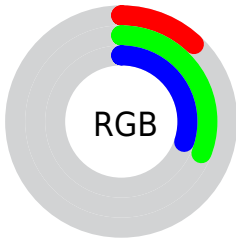
Format	Color
R_{YB}	31, 56, 79
Decimal	2051917
CIE _{Lab}	30.45, -16.67, -3.73
CIE _{LCh}	30, 17.081, 192.616
Yxy	6.4191, 0.2457, 0.3355
Android (android.graphics.Color)	4280241997 (0xFF1F4F4D)
YUV	64.4200, 6.2019, -29.3093
Hunter-Lab	25.3359, -11.2206, -1.0151

Details

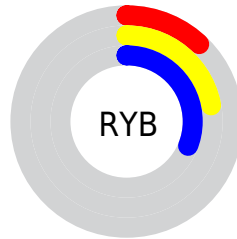
The XYZ color **4.7006, 6.4191, 8.0124** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **3.9892, 2.7522, 1.7600**, and the grayscale version is **4.9305, 5.1873, 5.6490**.

A 20% lighter version of the original color is **14.8784, 18.6940, 22.5628**, and **0.8465, 1.2539, 1.6362** is the 20% darker color. If you saturate the color by 10%, you get **4.4797, 6.3067, 7.9416**, and if you desaturate by 10%, it is **4.9803, 6.5621, 8.0865**.

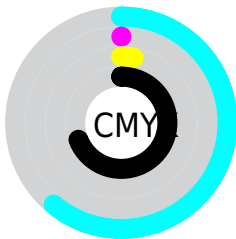
Distribution



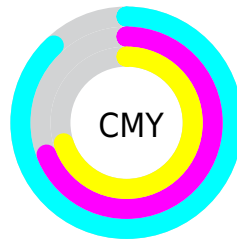
- Red (12%)
- Green (31%)
- Blue (30%)



- Red (12%)
- Yellow (22%)
- Blue (31%)



- Cyan (61%)
- Magenta (0%)
- Yellow (3%)
- Black (69%)



- Cyan (88%)
- Magenta (69%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 4.7006, 6.4191, 8.0124 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 4.7006, 6.4191, 8.0124 by changing the saturation by 10% instead.

■ 4.7006, 6.4191,
8.0124

■ 4.7006, 6.4191,
8.0124

141.9023,
162.7457, 185.7675

■ 2.1056, 3.1016,
4.0150

■ 14.9229, 18.7947,
22.5293

■ 0.6923, 1.1850,
1.6336

■ 23.2809, 28.6215,
33.8859

■ 0.0000, 0.0494,
0.3146

■ 34.2906, 41.3869,
48.5327

■ 0.0000, 0.0000,
0.0000

■ 48.3173, 57.4752,
66.8881

■ 65.7266, 77.2708,
89.3707

■ 86.8835, 101.1582,

116.3992

112.1537,
129.5217, 148.3919

4.7006, 6.4191,
8.0124

4.7006, 6.4191,
8.0124

4.4797, 6.3067,
7.9416

4.9803, 6.5621,
8.0865

4.3128, 6.2220,
7.8736

5.3222, 6.7370,
8.1637

4.1924, 6.1613,
7.8080

5.7301, 6.9459,
8.2442

4.0905, 6.1099,
7.7481

6.2073, 7.1905,
8.3284

6.7568, 7.4724,
8.4162

■ 7.3815, 7.7931,
8.5078

■ 8.0842, 8.1540,
8.6034

■ 8.8676, 8.5564,
8.7031

■ 9.7339, 9.0017,
8.8070

Harmonies

Analogous

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



4.7289, 6.4191, 5.7365



4.7006, 6.4191, 8.0124



5.0226, 6.4191, 10.4759

Triad

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



4.7006, 6.4191, 8.0124



7.2208, 6.4191, 10.8242



6.5797, 6.4191, 3.5310

Complementary

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



4.7006, 6.4191, 8.0124



3.9892, 2.7522, 1.7600

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.



7.3240, 6.4191, 4.3774



4.7006, 6.4191, 8.0124



7.7161, 6.4191, 8.4125

Square

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



4.7006, 6.4191, 8.0124



6.4487, 6.4191, 12.3252



7.7555, 6.4191, 6.0572



5.7664, 6.4191, 3.4703

Rectangle

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



4.7006, 6.4191, 8.0124



5.4107, 6.4191, 11.7602



7.7555, 6.4191, 6.0572



6.8480, 6.4191, 3.7227

Sweetspot

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



4.7008, 6.4193, 8.0126



10.7359, 12.3152, 14.1835



3.6836, 6.0211, 2.2645



2.6376, 3.0493, 3.5277



42.5813, 44.7988, 48.7859



3.1466, 3.3105, 3.6051

Same Dimension

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



4.7008, 6.4193, 8.0126



7.4649, 10.6420, 13.4389



3.4595, 3.8220, 7.9528



1.7262, 1.8901, 2.1152



6.9441, 10.3798, 13.1304



41.0671, 61.4794, 77.3652

Inverse Universe

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



3.9892, 2.7522, 1.7600



6.1266, 3.7307, 1.6691



4.7269, 4.2713, 1.8718



1.6901, 1.7042, 1.7978



5.5028, 2.8341, 0.3791



32.5253, 16.7614, 1.7957

Previews

White Background



This preview shows how the XYZ color 4.7006, 6.4191, 8.0124 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 4.7006, 6.4191, 8.0124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

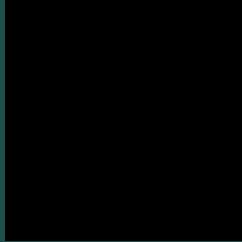
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 4.7006, 6.4191, 8.0124

Background



This preview shows how black text looks on a background with the XYZ color 4.7006, 6.4191, 8.0124.



This preview shows how white text looks on a background with the XYZ color 4.7006, 6.4191, 8.0124.

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

4.7006, 6.4191, 8.0124

Protanopia

6.0954, 6.3521, 7.0357

Deuteranopia

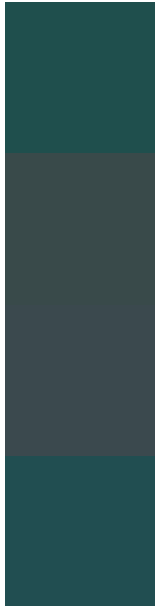
6.5031, 6.4407, 8.2976



Tritanopia

4.9843, 6.4290, 9.3657

Trichromacy



Original Color

4.7006, 6.4191, 8.0124

Protanomaly

5.3722, 6.2618, 7.4041

Deuteranomaly

5.5613, 6.2450, 8.1200

Tritanomaly

4.8368, 6.3662, 8.7585

Monochromacy



Original Color

4.7006, 6.4191, 8.0124

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

4.6185, 5.4160, 6.4322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.7006, 6.4191, 8.0124 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(31, 79, 77)` looks like.

```
.text, #text, p{  
    color:rgb(31, 79, 77)  
}
```

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(31, 79, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 79, 77) }
```

Border

The CSS property to change the border of an element to XYZ 4.7006, 6.4191, 8.0124 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(31, 79, 77) }
```

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

```
.border{ border-color:rgb(31, 79, 77) }
```

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

Here you see how a box with a 4 pixel rgb(31, 79, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 79, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 79, 77);  
box-shadow:4px 4px 4px 4px rgb(31, 79, 77)  
}
```


Background

The CSS property to change the background color of an element to XYZ 4.7006, 6.4191, 8.0124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 79, 77) }
```

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

```
.background{ background-color: rgb(31, 79,  
77) }
```

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