

Converting Colors

XYZ(8.7264, 11.1310, 19.2397)

Have a look what the booklet for
XYZ(8.7264, 11.1310, 19.2397)
contains.

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Color

**XYZ(8.7408, 11.1747,
19.1490)**

Conversions

Conversions Part 1	
Format	Color
Hex	226677
RGB	34, 102, 119
RGB Percent	13%, 40%, 47%
CMY	0.8666, 0.6000, 0.5333
CMYK	0.71, 0.14, 0.00, 0.53
HSL	192°, 56%, 30%
HSV	192°, 71%, 47%
XYZ	8.7408, 11.1747, 19.1490
YIQ	83.6060, -45.9850, -9.1290

Conversions

Conversions Part 2

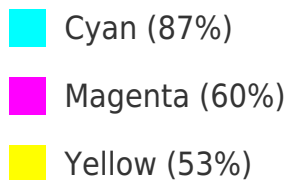
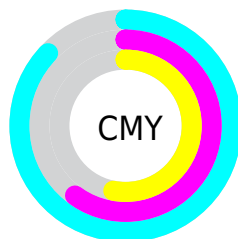
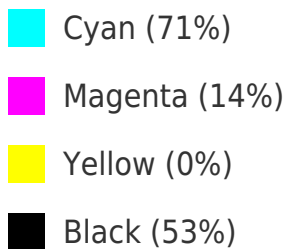
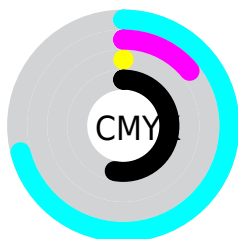
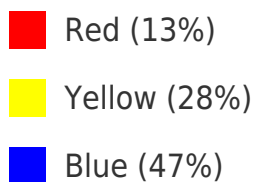
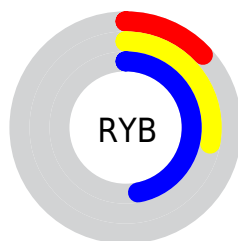
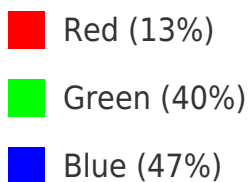
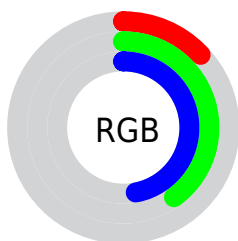
Format	Color
RYB	34, 72, 119
Decimal	2254455
CIELab	39.87, -15.15, -15.72
CIELCh	40, 21.829, 226.068
Yxy	11.1747, 0.2238, 0.2861
Android (android.graphics.Color)	4280444535 (0xFF226677)
YUV	83.6060, 17.4492, -43.5045
Hunter-Lab	33.4286, -11.8264, -10.5633

Details

The XYZ color **8.7408, 11.1747, 19.1490** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0806, 6.4055, 2.2715**, and the grayscale version is **8.3182, 8.7514, 9.5303**.

A 20% lighter version of the original color is **23.0563, 27.9469, 42.7072**, and **2.5035, 3.1873, 6.4445** is the 20% darker color. If you saturate the color by 10%, you get **8.1839, 10.5456, 19.0571**, and if you desaturate by 10%, it is **9.4410, 11.8882, 19.2500**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 8.7408, 11.1747, 19.1490 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 8.7408, 11.1747, 19.1490 by changing the saturation by 10% instead.


 8.7408, 11.1747,
19.1490


 8.7408, 11.1747,
19.1490

175.6806,
198.8622, 259.7202


 4.6283, 6.1845,
11.6001


 23.0702, 27.9828,
42.8258


 2.0633, 2.9576,
6.3528


 34.0178, 40.5694,
59.7907


 0.6692, 1.1096,
2.9885


 47.9744, 56.4569,
80.7314

 0.0000, 0.0000,
1.0888

 65.3054, 76.0298,
106.0664

 0.0000, 0.0000,
0.0000

 86.3762, 99.6723,
136.2142

 111.5521,

127.7690, 171.5935

141.1984,
160.7042, 212.6226

■ 8.7408, 11.1747,
19.1490

■ 8.7408, 11.1747,
19.1490

■ 8.1839, 10.5456,
19.0571

■ 9.4410, 11.8882,
19.2500

■ 7.7546, 9.9918,
18.9729

■ 10.2963, 12.6913,
19.3600

■ 7.4401, 9.5525,
18.9047

■ 11.3181, 13.5906,
19.4797

■ 12.5167, 14.5911,
19.6096

■ 13.9015, 15.6979,
19.7503

■ 15.4811, 16.9156,
19.9021

■ 17.2636, 18.2482,
20.0653

■ 19.2567, 19.7000,
20.2405

■ 21.4676, 21.2746,
20.4279

Harmonies

Analogous

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



8.0806, 11.1747, 14.6032



8.7408, 11.1747, 19.1490



9.9409, 11.1747, 22.0904

Triad

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



8.7408, 11.1747, 19.1490



13.6782, 11.1747, 14.2695



9.8417, 11.1747, 5.8242

Complementary

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



8.7408, 11.1747, 19.1490



9.0806, 6.4055, 2.2715

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.



11.3319, 11.1747, 5.7755



8.7408, 11.1747, 19.1490



13.6452, 11.1747, 10.0186

Square

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



8.7408, 11.1747, 19.1490



12.8398, 11.1747, 18.8555



12.7537, 11.1747, 7.1298



8.6741, 11.1747, 7.2836

Rectangle

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



8.7408, 11.1747, 19.1490



10.9294, 11.1747, 22.3849



12.7537, 11.1747, 7.1298



10.3188, 11.1747, 5.6565

Sweetspot

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



8.7412, 11.1751, 19.1493



24.8647, 28.0878, 35.3640



7.8544, 13.7730, 5.3769



5.7565, 6.5492, 8.3674



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.7412, 11.1751, 19.1493



14.1120, 18.1998, 34.0222



5.5796, 4.8520, 18.0954



3.7241, 4.0369, 4.6731



7.8979, 10.1355, 20.0826



37.8754, 48.1673, 97.6613

Inverse Universe

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



10.5783, 6.0256, 13.1763



17.8549, 9.1680, 21.5262



11.8552, 11.9546, 3.1964



3.7968, 3.7460, 4.4565



10.2836, 5.0472, 11.9677



49.8045, 24.4719, 56.6931

Previews

White Background



This preview shows how the XYZ color 8.7408, 11.1747, 19.1490 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 8.7408, 11.1747, 19.1490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

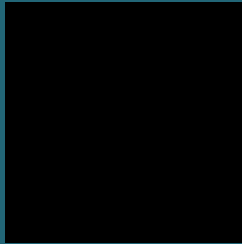
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.7408, 11.1747, 19.1490

Background



This preview shows how black text looks on a background with the XYZ color 8.7408, 11.1747, 19.1490.

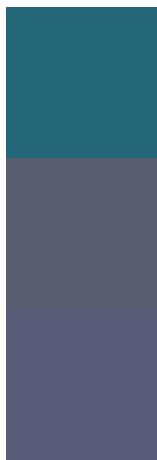


This preview shows how white text looks on a background with the XYZ color 8.7408, 11.1747,

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

8.7408, 11.1747, 19.1490

Protanopia

10.9588, 11.1224, 16.8985

Deuteranopia

11.3028, 11.1095, 19.6378



Tritanopia

8.2816, 11.1316, 17.0414

Trichromacy

	Original Color 8.7408, 11.1747, 19.1490
	Protanomaly 9.7316, 10.8688, 17.8046
	Deuteranomaly 9.9569, 10.9508, 19.3582
	Tritanomaly 8.5098, 11.2296, 17.9387

Monochromacy

	Original Color 8.7408, 11.1747, 19.1490
	Achromatopsia 8.4267, 8.8656, 9.6546
	Achromatomaly 8.1455, 9.5035, 12.7143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7408, 11.1747, 19.1490 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(34, 102, 119)` looks like.

```
.text, #text, p{  
    color:rgb(34, 102, 119)  
}
```

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(34, 102, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 102, 119) }
```

Border

The CSS property to change the border of an element to XYZ 8.7408, 11.1747, 19.1490 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(34, 102, 119) }
```

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

```
.border{ border-color:rgb(34, 102, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 102, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 102, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 102, 119);  
box-shadow:4px 4px 4px 4px rgb(34, 102,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7408, 11.1747, 19.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(34, 102, 119) }
```

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

```
.background{ background-color:rgb(34, 102,  
119) }
```

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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