

Converting Colors

XYZ(8.7979, 12.2592, 16.2305)

Have a look what the booklet for
XYZ(8.7979, 12.2592, 16.2305)
contains.

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Color

**XYZ(8.8886, 12.3815,
16.3894)**

Conversions

Conversions Part 1

Format	Color
Hex	226D6D
RGB	34, 109, 109
RGB Percent	13%, 43%, 43%
CMY	0.8667, 0.5725, 0.5725
CMYK	0.69, 0.00, 0.00, 0.57
HSL	180°, 52%, 28%
HSV	180°, 69%, 43%
XYZ	8.8886, 12.3815, 16.3894
YIQ	86.5750, -44.7000, -15.9000

Conversions

Conversions Part 2

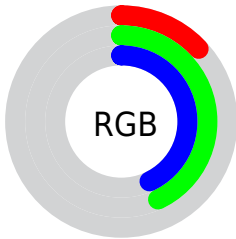
Format	Color
RYB	34, 72, 109
Decimal	2256237
CIELab	41.82, -22.25, -6.71
CIELCh	42, 23.243, 196.769
Yxy	12.3815, 0.2360, 0.3288
Android (android.graphics.Color)	4280446317 (0xFF226D6D)
YUV	86.5750, 11.0555, -46.1083
Hunter-Lab	35.1874, -16.4874, -2.9847

Details

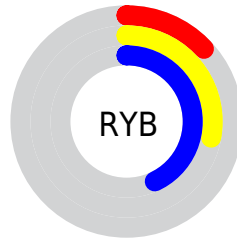
The XYZ color **8.8886, 12.3815, 16.3894** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.1678, 4.5110, 2.0066**, and the grayscale version is **8.9522, 9.4184, 10.2566**.

A 20% lighter version of the original color is **23.3065, 30.2015, 37.8588**, and **2.5382, 3.6853, 5.1350** is the 20% darker color. If you saturate the color by 10%, you get **8.5849, 12.2252, 16.3754**, and if you desaturate by 10%, it is **9.3071, 12.5975, 16.4093**.

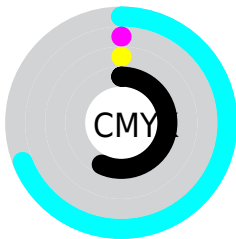
Distribution



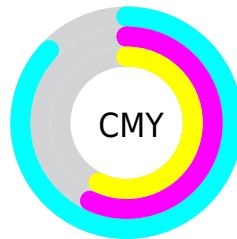
- Red (13%)
- Green (43%)
- Blue (43%)



- Red (13%)
- Yellow (28%)
- Blue (43%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (57%)



- Cyan (87%)
- Magenta (57%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.8886, 12.3815, 16.3894 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 8.8886, 12.3815, 16.3894 by changing the saturation by 10% instead.

■ 8.8886, 12.3815,
16.3894

■ 8.8886, 12.3815,
16.3894

176.7694,
206.9148, 243.5523

■ 4.7251, 7.0041,
9.6428

■ 23.3520, 30.1880,
38.0491

■ 2.1200, 3.4646,
5.0603

■ 34.3827, 43.3859,
53.7992

■ 0.7000, 1.3788,
2.2233

■ 48.4331, 59.9594,
73.3876

■ 0.0000, 0.2011,
0.6878

■ 65.8687, 80.2929,
97.2328

■ 0.0000, 0.0000,
0.0000

■ 87.0548, 104.7708,
125.7533

■ 112.3566,

133.7775, 159.3677

142.1397,
167.6974, 198.4945

■ 8.8886, 12.3815,
16.3894

■ 8.8886, 12.3815,
16.3894

■ 8.5849, 12.2252,
16.3754

■ 9.3071, 12.5975,
16.4093

■ 8.3837, 12.1215,
16.3660

■ 9.8491, 12.8769,
16.4347

■ 8.2455, 12.0502,
16.3594

■ 10.5237, 13.2247,
16.4663

■ 8.2292, 12.0418,
16.3587

■ 11.3387, 13.6448,
16.5045

■ 12.3016, 14.1412,
16.5496

■ 13.4190, 14.7173,
16.6020

■ 14.6975, 15.3764,
16.6619

■ 16.1430, 16.1216,
16.7296

■ 17.7613, 16.9558,
16.8053

Harmonies

Analogous

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



8.8450, 12.3815, 11.4361



8.8886, 12.3815, 16.3894



9.6539, 12.3815, 21.5859

Triad

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



8.8886, 12.3815, 16.3894



14.3342, 12.3815, 21.0271



12.5381, 12.3815, 6.2273

Complementary

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



8.8886, 12.3815, 16.3894



7.1678, 4.5110, 2.0066

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.



14.1708, 12.3815, 7.7115



8.8886, 12.3815, 16.3894



15.2735, 12.3815, 15.7569

Square

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



8.8886, 12.3815, 16.3894



12.7441, 12.3815, 24.6767



15.2110, 12.3815, 10.9394



10.8435, 12.3815, 6.3178

Rectangle

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



8.8886, 12.3815, 16.3894



10.5166, 12.3815, 24.1367



15.2110, 12.3815, 10.9394



13.1154, 12.3815, 6.5397

Sweetspot

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



8.8890, 12.3820, 16.3897



21.5211, 25.0603, 29.6099



6.4593, 11.4150, 3.3764



4.9262, 5.7895, 6.8866



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.8890, 12.3820, 16.3897



15.1184, 21.7596, 29.3097



5.7865, 6.1769, 15.3558



3.1818, 3.4919, 3.9412



9.6248, 14.0840, 19.1329



49.0423, 71.7640, 97.4902

Inverse Universe

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



7.1678, 4.5110, 2.0066



11.7932, 6.5536, 1.5228



8.8016, 7.7788, 2.5511



3.0998, 3.1168, 3.2557



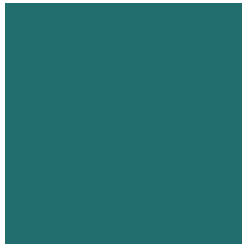
7.3765, 3.8027, 0.3453



37.5865, 19.3765, 1.7591

Previews

White Background



This preview shows how the XYZ color 8.8886, 12.3815, 16.3894 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 8.8886, 12.3815, 16.3894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

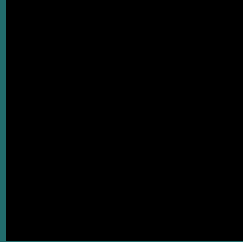
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.8886, 12.3815, 16.3894

Background



This preview shows how black text looks on a background with the XYZ color 8.8886, 12.3815, 16.3894.



This preview shows how white text looks on a background with the XYZ color 8.8886, 12.3815, 16.3894.

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

8.8886, 12.3815, 16.3894

Protanopia

11.9115, 12.3473, 14.3258

Deuteranopia

12.4743, 12.3023, 17.0463



Tritanopia

9.3728, 12.4215, 18.7332

Trichromacy



Original Color

8.8886, 12.3815, 16.3894

Protanomaly

10.2028, 12.0185, 15.1467

Deuteranomaly

10.5835, 12.0328, 16.8037

Tritanomaly

9.1628, 12.3333, 17.8172

Monochromacy



Original Color

8.8886, 12.3815, 16.3894

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.5417, 10.2396, 12.3527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8886, 12.3815, 16.3894 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, 109, 109)` looks like.

```
.text, #text, p{  
    color:rgb(34, 109, 109)  
}
```

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, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 109, 109) }
```

Border

The CSS property to change the border of an element to XYZ 8.8886, 12.3815, 16.3894 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, 109, 109) }
```


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

```
.border{ border-color:rgb(34, 109, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 109, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 109, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 109, 109);  
box-shadow:4px 4px 4px 4px rgb(34, 109,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 8.8886, 12.3815, 16.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 109, 109) }
```

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

```
.background{ background-color: rgb(34, 109,  
109) }
```

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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