

Converting Colors

XYZ(8.8713, 12.3630, 18.1384)

Have a look what the booklet for
XYZ(8.8713, 12.3630, 18.1384)
contains.

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Color

**XYZ(8.8516, 12.3238,
18.1319)**

Conversions

Conversions Part 1

Format	Color
Hex	146D73
RGB	20, 109, 115
RGB Percent	8%, 43%, 45%
CMY	0.9215, 0.5725, 0.5490
CMYK	0.83, 0.05, 0.00, 0.55
HSL	184°, 70%, 26%
HSV	184°, 83%, 45%
XYZ	8.8516, 12.3238, 18.1319
YIQ	83.0730, -54.9700, -17.0020

Conversions

Conversions Part 2

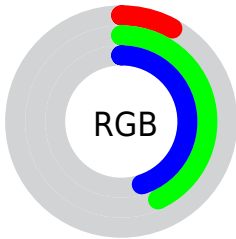
Format	Color
R_{YB}	20, 66, 115
Decimal	1338739
CIE _{Lab}	41.73, -22.18, -10.51
CIE _{LCh}	42, 24.545, 205.342
Yxy	12.3238, 0.2252, 0.3135
Android (android.graphics.Color)	4279528819 (0xFF146D73)
YUV	83.0730, 15.7400, -55.3150
Hunter-Lab	35.1053, -16.4264, -6.0496

Details

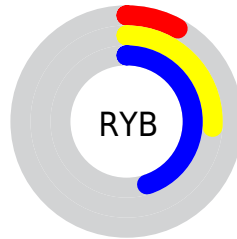
The XYZ color **8.8516, 12.3238, 18.1319** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.5661, 4.4344, 1.1192**, and the grayscale version is **8.2143, 8.6421, 9.4112**.

A 20% lighter version of the original color is **23.2872, 30.1188, 41.1454**, and **2.6819, 3.7427, 5.8913** is the 20% darker color. If you saturate the color by 10%, you get **8.5927, 12.0760, 18.0980**, and if you desaturate by 10%, it is **9.2216, 12.6303, 18.1718**.

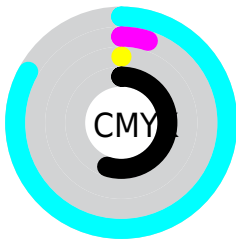
Distribution



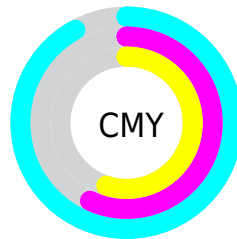
- Red (8%)
- Green (43%)
- Blue (45%)



- Red (8%)
- Yellow (26%)
- Blue (45%)



- Cyan (83%)
- Magenta (5%)
- Yellow (0%)
- Black (55%)



- Cyan (92%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.8516, 12.3238, 18.1319 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 8.8516, 12.3238, 18.1319 by changing the saturation by 10% instead.

8.8516, 12.3238,
18.1319

8.8516, 12.3238,
18.1319

176.4975,
206.5373, 253.8745

4.7008, 6.9646,
10.8743

23.2816, 30.0835,
41.0789

2.1058, 3.4400,
5.8693

34.2915, 43.2528,
57.6054

0.6923, 1.3655,
2.6982

48.3185, 59.7942,
78.0587

0.0000, 0.1911,
0.9425

65.7280, 80.0921,
102.8571

0.0000, 0.0000,
0.0000

86.8853, 104.5310,
132.4194

112.1557,

133.4953, 167.1641

141.9047,
167.3692, 207.5096

■ 8.8516, 12.3238,
18.1319

■ 8.8516, 12.3238,
18.1319

■ 8.5927, 12.0760,
18.0980

■ 9.2216, 12.6303,
18.1718

■ 8.4296, 11.9079,
18.0741

■ 9.7161, 13.0017,
18.2174

■ 10.3473, 13.4445,
18.2696

■ 11.1256, 13.9640,
18.3289

■ 12.0603, 14.5652,
18.3957

■ 13.1602, 15.2525,
18.4703

■ 14.4332, 16.0300,
18.5533

■ 15.8867, 16.9015,
18.6449

■ 17.5278, 17.8707,
18.7455

Harmonies

Analogous

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



8.5870, 12.3238, 12.6283



8.8516, 12.3238, 18.1319



9.8507, 12.3238, 23.3528

Triad

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



8.8516, 12.3238, 18.1319



14.8023, 12.3238, 19.8928



11.9972, 12.3238, 5.7567

Complementary

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



8.8516, 12.3238, 18.1319



7.5661, 4.4344, 1.1192

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.



13.7973, 12.3238, 6.7971



8.8516, 12.3238, 18.1319



15.5191, 12.3238, 14.2410

Square

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



8.8516, 12.3238, 18.1319



13.2606, 12.3238, 24.5389



15.1338, 12.3238, 9.6022



10.2915, 12.3238, 6.2976

Rectangle

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



8.8516, 12.3238, 18.1319



10.8579, 12.3238, 25.4965



15.1338, 12.3238, 9.6022



12.6127, 12.3238, 5.9234

Sweetspot

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



8.8520, 12.3243, 18.1322



22.9321, 26.9197, 33.0319



6.5923, 12.4796, 2.9672



5.3388, 6.3397, 7.8713



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.8520, 12.3243, 18.1322



15.0915, 21.2889, 32.3583



5.1470, 4.9143, 16.8972



3.7645, 4.1176, 4.6866



9.6309, 13.6015, 20.6603



46.6962, 65.8090, 100.6015

Inverse Universe

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



10.0810, 5.2495, 14.9504



17.4880, 8.4839, 25.9323



9.5304, 8.3629, 1.7739



3.8171, 3.7541, 4.5638



11.1584, 5.3971, 16.5740



54.2568, 26.2528, 80.1388

Previews

White Background



This preview shows how the XYZ color 8.8516, 12.3238, 18.1319 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 8.8516, 12.3238, 18.1319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

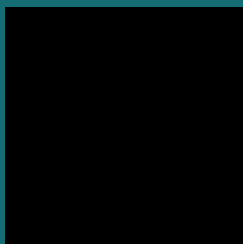
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

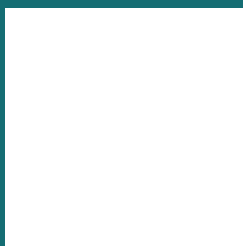
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.8516, 12.3238, 18.1319

Background



This preview shows how black text looks on a background with the XYZ color 8.8516, 12.3238, 18.1319.



This preview shows how white text looks on a background with the XYZ color 8.8516, 12.3238,

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

8.8516, 12.3238, 18.1319

Protanopia

11.9112, 12.1735, 15.9093

Deuteranopia

12.4899, 12.2704, 18.8497



Tritanopia

9.0329, 12.4038, 18.7477

Trichromacy



Original Color

8.8516, 12.3238, 18.1319

Protanomaly

9.9772, 11.7203, 16.7753

Deuteranomaly

10.3904, 11.8938, 18.5777

Tritanomaly

8.9519, 12.3688, 18.4386

Monochromacy



Original Color

8.8516, 12.3238, 18.1319

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.7562, 9.4412, 12.2400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8516, 12.3238, 18.1319 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(20, 109, 115)` looks like.

```
.text, #text, p{  
    color:rgb(20, 109, 115)  
}
```

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(20, 109, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 109, 115) }
```

Border

The CSS property to change the border of an element to XYZ 8.8516, 12.3238, 18.1319 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(20, 109, 115) }
```


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

```
.border{ border-color:rgb(20, 109, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 109, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 109, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 109, 115);  
box-shadow:4px 4px 4px 4px rgb(20, 109,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 8.8516, 12.3238, 18.1319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 109, 115) }
```

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

```
.background{ background-color: rgb(20, 109,  
115) }
```

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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