

Converting Colors

XYZ(8.1683, 11.7720, 12.9080)

Have a look what the booklet for
XYZ(8.1683, 11.7720, 12.9080)
contains.

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Color

**XYZ(8.1683, 11.7720,
12.9080)**

Conversions

Conversions Part 1

Format	Color
Hex	266B60
RGB	38, 107, 96
RGB Percent	15%, 42%, 38%
CMY	0.8510, 0.5804, 0.6235
CMYK	0.64, 0.00, 0.10, 0.58
HSL	170°, 48%, 28%
HSV	170°, 64%, 42%
XYZ	8.1683, 11.7720, 12.9080
YIQ	85.1150, -37.5930, -18.0490

Conversions

Conversions Part 2

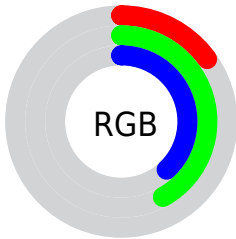
Format	Color
R_{YB}	38, 75, 107
Decimal	2517856
CIE _{Lab}	40.85, -24.40, -0.23
CIE _{LCh}	41, 24.402, 180.539
Yxy	11.7720, 0.2487, 0.3584
Android (android.graphics.Color)	4280707936 (0xFF266B60)
YUV	85.1150, 5.3663, -41.3199
Hunter-Lab	34.3103, -17.5474, 1.7116

Details

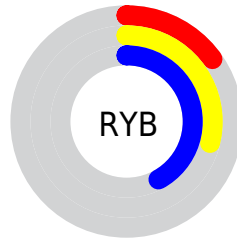
The XYZ color **8.1683, 11.7720, 12.9080** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3112, 4.7340, 3.4344**, and the grayscale version is **8.6537, 9.1044, 9.9147**.

A 20% lighter version of the original color is **22.0001, 29.1469, 31.6605**, and **2.1397, 3.3582, 3.5530** is the 20% darker color. If you saturate the color by 10%, you get **7.7515, 11.5664, 12.4831**, and if you desaturate by 10%, it is **8.7010, 12.0377, 13.3477**.

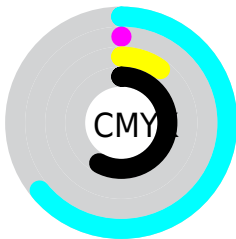
Distribution



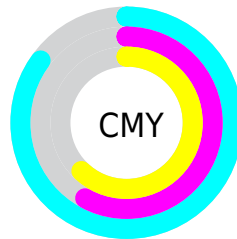
- Red (15%)
- Green (42%)
- Blue (38%)



- Red (15%)
- Yellow (29%)
- Blue (42%)



- Cyan (64%)
- Magenta (0%)
- Yellow (10%)
- Black (58%)



- Cyan (85%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1683, 11.7720, 12.9080 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 8.1683, 11.7720, 12.9080 by changing the saturation by 10% instead.

8.1683, 11.7720,
12.9080

8.1683, 11.7720,
12.9080

171.3881,
202.8900, 221.5143

4.2555, 6.5886,
7.2352

21.9700, 29.0792,
31.8272

1.8477, 3.2062,
3.5290

32.5896, 41.9717,
45.9106

0.5462, 1.2403,
1.3707

46.1756, 58.2028,
63.6348

0.0000, 0.0943,
0.1187

63.0933, 78.1569,
85.4181

0.0000, 0.0000,
0.0000

83.7080, 102.2182,
111.6792

108.3852,

130.7712, 142.8366

137.4900,
164.2003, 179.3088

■ 8.1683, 11.7720,
12.9080

■ 8.1683, 11.7720,
12.9080

■ 7.7515, 11.5664,
12.4831

■ 8.7010, 12.0377,
13.3477

■ 7.4396, 11.4144,
12.0717

■ 9.3574, 12.3667,
13.8019

■ 7.2150, 11.3072,
11.6732

■ 10.1458, 12.7636,
14.2713

■ 7.1009, 11.2530,
11.4577

■ 11.0737, 13.2322,
14.7563

■ 12.1477, 13.7759,
15.2573

■ 13.3742, 14.3980,
15.7745

■ 14.7592, 15.1016,
16.3084

■ 16.3082, 15.8895,
16.8593

■ 18.0266, 16.7646,
17.4274

Harmonies

Analogous

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



8.5236, 11.7720, 8.6625



8.1683, 11.7720, 12.9080



8.5499, 11.7720, 18.3232

Triad

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



8.1683, 11.7720, 12.9080



12.9748, 11.7720, 22.9568



12.9147, 11.7720, 6.1589

Complementary

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



8.1683, 11.7720, 12.9080



7.3112, 4.7340, 3.4344

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.



14.3218, 11.7720, 8.5429



8.1683, 11.7720, 12.9080



14.3589, 11.7720, 18.1259

Square

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



8.1683, 11.7720, 12.9080



11.2204, 11.7720, 24.9708



14.8752, 11.7720, 12.7278



11.1575, 11.7720, 5.4305

Rectangle

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



8.1683, 11.7720, 12.9080



9.1962, 11.7720, 21.7200



14.8752, 11.7720, 12.7278



13.4506, 11.7720, 6.7564

Sweetspot

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



8.1686, 11.7725, 12.9083



20.7465, 24.1577, 26.8625



6.8987, 11.3213, 3.6555



4.9205, 5.7961, 6.4542



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.



8.1686, 11.7725, 12.9083



13.5955, 20.5714, 22.0035



6.6238, 7.8146, 15.0697



3.1621, 3.4840, 3.8375



8.6292, 13.6858, 13.8906



43.7045, 69.6289, 69.3820

Inverse Universe

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



7.3112, 4.7340, 3.4344



11.9453, 6.8699, 3.6551



8.0824, 6.6035, 2.6824



3.1176, 3.1239, 3.3498



7.4915, 3.8487, 0.9509



37.9532, 19.5232, 3.6901

Previews

White Background



This preview shows how the XYZ color 8.1683, 11.7720, 12.9080 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 8.1683, 11.7720, 12.9080 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 8.1683, 11.7720, 12.9080

Background



This preview shows how black text looks on a background with the XYZ color 8.1683, 11.7720, 12.9080.



This preview shows how white text looks on a background with the XYZ color 8.1683, 11.7720,

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

8.1683, 11.7720, 12.9080

Protanopia

11.0833, 11.5753, 11.3230

Deuteranopia

11.8754, 11.6726, 13.4315



Tritanopia

9.1144, 11.8533, 17.4303

Trichromacy



Original Color

8.1683, 11.7720, 12.9080

Protanomaly

9.4542, 11.2742, 11.8031

Deuteranomaly

9.8806, 11.3227, 13.2200

Tritanomaly

8.7627, 11.8618, 15.7376

Monochromacy



Original Color

8.1683, 11.7720, 12.9080

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.1014, 9.7789, 10.9117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1683, 11.7720, 12.9080 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(38, 107, 96) looks like.

```
.text, #text, p{  
    color:rgb(38, 107, 96)  
}
```

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(38, 107, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 107, 96) }
```

Border

The CSS property to change the border of an element to XYZ 8.1683, 11.7720, 12.9080 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(38, 107, 96) }
```


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

```
.border{ border-color:rgb(38, 107, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 107, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 107, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 107, 96);  
box-shadow:4px 4px 4px 4px rgb(38, 107,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1683, 11.7720, 12.9080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 107, 96) }
```

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

```
.background{ background-color: rgb(38, 107,  
96) }
```

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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