

Converting Colors

XYZ(8.6485, 12.7469, 15.6122)

Have a look what the booklet for
XYZ(8.6485, 12.7469, 15.6122)
contains.

XYZ(8.6642, 12.7674, 15.6434)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.6642, 12.7674,
15.6434)**

Conversions

Conversions Part 1

Format	Color
Hex	13706A
RGB	19, 112, 106
RGB Percent	7%, 44%, 42%
CMY	0.9255, 0.5608, 0.5843
CMYK	0.83, 0.00, 0.05, 0.56
HSL	176°, 71%, 26%
HSV	176°, 83%, 44%
XYZ	8.6642, 12.7674, 15.6434
YIQ	83.5090, -53.5020, -21.5820

Conversions

Conversions Part 2

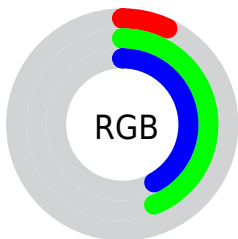
Format	Color
RYB	19, 67, 112
Decimal	1273962
CIELab	42.41, -26.74, -4.04
CIElCh	42, 27.047, 188.594
Yxy	12.7674, 0.2337, 0.3444
Android (android.graphics.Color)	4279464042 (0xFF13706A)
YUV	83.5090, 11.0881, -56.5744
Hunter-Lab	35.7315, -19.2473, -0.9454

Details

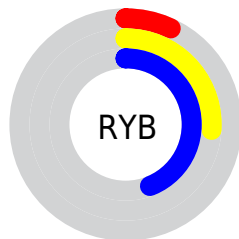
The XYZ color **8.6642, 12.7674, 15.6434** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.0908, 3.9809, 1.3146**, and the grayscale version is **8.3121, 8.7450, 9.5233**.

A 20% lighter version of the original color is **22.8409, 30.7791, 36.6354**, and **2.5669, 3.8708, 4.7495** is the 20% darker color. If you saturate the color by 10%, you get **8.4562, 12.6648, 15.4386**, and if you desaturate by 10%, it is **8.9751, 12.9236, 15.8553**.

Distribution



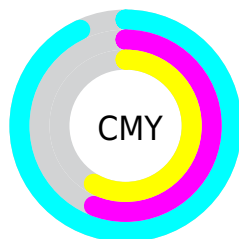
- Red (7%)
- Green (44%)
- Blue (42%)



- Red (7%)
- Yellow (26%)
- Blue (44%)



- Cyan (83%)
- Magenta (0%)
- Yellow (5%)
- Black (56%)



- Cyan (93%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6642, 12.7674, 15.6434 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 8.6642, 12.7674, 15.6434 by changing the saturation by 10% instead.

8.6642, 12.7674,
15.6434

8.6642, 12.7674,
15.6434

175.1133,
209.4215, 239.0016

4.5782, 7.2686,
9.1206

22.9238, 30.8853,
36.7361

2.0341, 3.6306,
4.7220

33.8280, 44.2731,
52.1431

0.6530, 1.4692,
2.0292

47.7357, 61.0594,
71.3486

0.0000, 0.2669,
0.5732

65.0122, 81.6285,
94.7710

0.0000, 0.0000,
0.0000

86.0229, 106.3649,
122.8290

111.1330,

135.6530, 155.9411

140.7081,
169.8770, 194.5258

■ 8.6642, 12.7674,
15.6434

■ 8.6642, 12.7674,
15.6434

■ 8.4562, 12.6648,
15.4386

■ 8.9751, 12.9236,
15.8553

■ 8.3326, 12.6041,
15.2976

■ 9.4024, 13.1395,
16.0740

■ 9.9576, 13.4213,
16.3003

■ 10.6505, 13.7740,
16.5348

■ 11.4899, 14.2022,
16.7778

■ 12.4839, 14.7101,
17.0297

■ 13.6399, 15.3015,
17.2908

■ 14.9651, 15.9800,
17.5616

■ 16.4660, 16.7491,
17.8423

Harmonies

Analogous

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



8.8459, 12.7674, 10.2012



8.6642, 12.7674, 15.6434



9.3278, 12.7674, 22.1245

Triad

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



8.6642, 12.7674, 15.6434



14.7418, 12.7674, 24.6220



13.6191, 12.7674, 5.8636

Complementary

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



8.6642, 12.7674, 15.6434



7.0908, 3.9809, 1.3146

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.



15.4556, 12.7674, 8.0197



8.6642, 12.7674, 15.6434



16.1525, 12.7674, 18.4033

Square

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



8.6642, 12.7674, 15.6434



12.7289, 12.7674, 28.1779



16.4274, 12.7674, 12.2940



11.5599, 12.7674, 5.5073

Rectangle

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



8.6642, 12.7674, 15.6434



10.2090, 12.7674, 25.8201



16.4274, 12.7674, 12.2940



14.2892, 12.7674, 6.3656

Sweetspot

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



8.6646, 12.7679, 15.6437



21.4455, 25.5933, 29.7984



6.3179, 11.8451, 2.5696



5.0362, 6.0894, 7.1299



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.6646, 12.7679, 15.6437



14.6208, 22.1347, 26.7835



5.4915, 5.9047, 16.1801



3.4661, 3.8116, 4.2609



9.6296, 14.5693, 17.6678



47.8467, 72.5273, 87.3671

Inverse Universe

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



7.0908, 3.9809, 1.3146



11.7902, 6.0721, 0.8200



8.3795, 6.6510, 1.4584



3.3924, 3.4047, 3.5933



7.7673, 3.9993, 0.5846



38.5746, 19.8751, 2.2919

Previews

White Background



This preview shows how the XYZ color 8.6642, 12.7674, 15.6434 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 8.6642, 12.7674, 15.6434 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 8.6642, 12.7674, 15.6434

Background



This preview shows how black text looks on a background with the XYZ color 8.6642, 12.7674, 15.6434.



This preview shows how white text looks on a background with the XYZ color 8.6642, 12.7674,

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

8.6642, 12.7674, 15.6434

Protanopia

12.1935, 12.6493, 13.6033

Deuteranopia

12.8607, 12.6568, 16.2332



Tritanopia

9.4708, 12.7751, 19.4194

Trichromacy



Original Color

8.6642, 12.7674, 15.6434

Protanomaly

10.0211, 12.2377, 14.4043

Deuteranomaly

10.2822, 12.0413, 15.9696

Tritanomaly

9.1737, 12.8168, 17.9100

Monochromacy



Original Color

8.6642, 12.7674, 15.6434

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.7979, 9.7388, 11.5940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6642, 12.7674, 15.6434 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(19, 112, 106)` looks like.

```
.text, #text, p{  
    color:rgb(19, 112, 106)  
}
```

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(19, 112, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 112, 106) }
```

Border

The CSS property to change the border of an element to XYZ 8.6642, 12.7674, 15.6434 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(19, 112, 106) }
```


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

```
.border{ border-color:rgb(19, 112, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 112, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 112, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 112, 106);  
box-shadow:4px 4px 4px 4px rgb(19, 112,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6642, 12.7674, 15.6434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 112, 106) }
```

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

```
.background{ background-color: rgb(19, 112,  
106) }
```

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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