

Converting Colors

XYZ(8.5254, 10.8011, 18.6962)

Have a look what the booklet for
XYZ(8.5254, 10.8011, 18.6962)
contains.

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Color

**XYZ(8.5203, 10.7797,
18.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	236476
RGB	35, 100, 118
RGB Percent	14%, 39%, 46%
CMY	0.8627, 0.6078, 0.5373
CMYK	0.70, 0.15, 0.00, 0.54
HSL	193°, 54%, 30%
HSV	193°, 70%, 46%
XYZ	8.5203, 10.7797, 18.7712
YIQ	82.6170, -44.5180, -8.1820

Conversions

Conversions Part 2

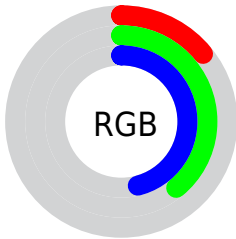
Format	Color
R_{YB}	35, 71, 118
Decimal	2319478
CIE _{Lab}	39.21, -14.19, -16.13
CIE _{LCh}	39, 21.480, 228.662
Yxy	10.7797, 0.2238, 0.2831
Android (android.graphics.Color)	4280509558 (0xFF236476)
YUV	82.6170, 17.4438, -41.7601
Hunter-Lab	32.8325, -11.1345, -10.9150

Details

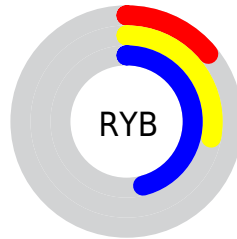
The XYZ color **8.5203, 10.7797, 18.7712** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0479, 6.5194, 2.3719**, and the grayscale version is **8.1169, 8.5397, 9.2997**.

A 20% lighter version of the original color is **22.6367, 27.2596, 42.0988**, and **2.3786, 2.9884, 6.2458** is the 20% darker color. If you saturate the color by 10%, you get **7.9438, 10.1240, 18.6752**, and if you desaturate by 10%, it is **9.2400, 11.5210, 18.8766**.

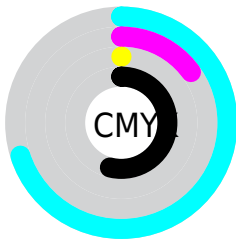
Distribution



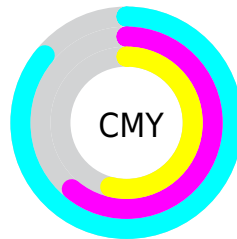
- Red (14%)
- Green (39%)
- Blue (46%)



- Red (14%)
- Yellow (28%)
- Blue (46%)



- Cyan (70%)
- Magenta (15%)
- Yellow (0%)
- Black (54%)



- Cyan (86%)
- Magenta (61%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.5203, 10.7797, 18.7712 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 8.5203, 10.7797, 18.7712 by changing the saturation by 10% instead.

8.5203, 10.7797,
18.7712

8.5203, 10.7797,
18.7712

174.0419,
196.1499, 257.5632

4.4842, 5.9189,
11.3299

22.6481, 27.2521,
42.1787

1.9796, 2.7958,
6.1723

33.4705, 39.6324,
58.9819

0.6224, 1.0261,
2.8796

47.2858, 55.2881,
79.7430

0.0000, 0.0000,
1.0335

64.4592, 74.6035,
104.8803

0.0000, 0.0000,
0.0000

85.3562, 97.9629,
134.8124

110.3420,

125.7509, 169.9579

139.7821,
158.3517, 210.7353

■ 8.5203, 10.7797,
18.7712

■ 8.5203, 10.7797,
18.7712

■ 7.9438, 10.1240,
18.6752

■ 9.2400, 11.5210,
18.8766

■ 7.4952, 9.5455,
18.5872

■ 10.1141, 12.3533,
18.9911

■ 7.1329, 9.0337,
18.5075

■ 11.1538, 13.2827,
19.1157

■ 12.3691, 14.3142,
19.2508

■ 13.7690, 15.4528,
19.3968

■ 15.3620, 16.7029,
19.5541

■ 17.1560, 18.0687,
19.7232

■ 19.1584, 19.5540,
19.9043

■ 21.3763, 21.1627,
20.0979

Harmonies

Analogous

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



7.8355, 10.7797, 14.4678



8.5203, 10.7797, 18.7712



9.7099, 10.7797, 21.3791

Triad

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



8.5203, 10.7797, 18.7712



13.2140, 10.7797, 13.3698



9.3834, 10.7797, 5.7039

Complementary

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



8.5203, 10.7797, 18.7712



9.0479, 6.5194, 2.3719

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.



10.8010, 10.7797, 5.5430



8.5203, 10.7797, 18.7712



13.1056, 10.7797, 9.3739

Square

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



8.5203, 10.7797, 18.7712



12.4733, 10.7797, 17.8067



12.1898, 10.7797, 6.7250



8.3006, 10.7797, 7.2323

Rectangle

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



8.5203, 10.7797, 18.7712



10.6693, 10.7797, 21.4754



12.1898, 10.7797, 6.7250



9.8336, 10.7797, 5.5040

Sweetspot

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



8.5207, 10.7801, 18.7715



23.9006, 26.9232, 34.0740



7.8141, 13.5713, 5.5742



5.3710, 6.0901, 7.8214



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.



8.5207, 10.7801, 18.7715



13.4879, 17.1999, 32.7460



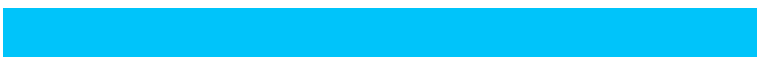
5.5027, 4.7441, 17.7655



3.7192, 4.0270, 4.6715



7.7074, 9.7546, 20.0192



36.9134, 46.2433, 97.3406

Inverse Universe

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



10.3728, 5.9740, 12.6634



17.1834, 8.9295, 20.2631



11.8207, 12.0649, 3.2961



3.7943, 3.7450, 4.4434



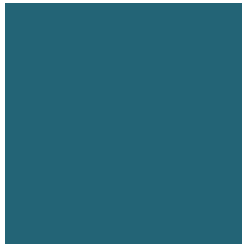
10.1875, 5.0087, 11.4615



49.3189, 24.2777, 54.1361

Previews

White Background



This preview shows how the XYZ color 8.5203, 10.7797, 18.7712 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 8.5203, 10.7797, 18.7712 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 8.5203, 10.7797, 18.7712

Background



This preview shows how black text looks on a background with the XYZ color 8.5203, 10.7797, 18.7712.

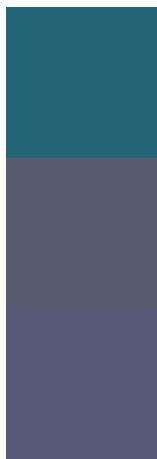


This preview shows how white text looks on a background with the XYZ color 8.5203, 10.7797,

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

8.5203, 10.7797, 18.7712

Protanopia

10.5962, 10.6783, 16.8319

Deuteranopia

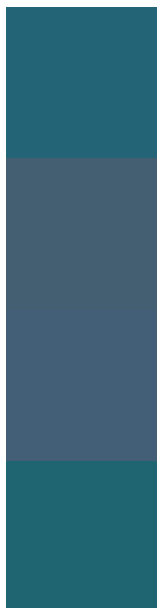
10.8841, 10.6468, 19.2507



Tritanopia

7.9748, 10.6944, 16.3958

Trichromacy



Original Color

8.5203, 10.7797, 18.7712

Protanomaly

9.4239, 10.4493, 17.4398

Deuteranomaly

9.6472, 10.5306, 18.9769

Tritanomaly

8.1994, 10.7909, 17.2735

Monochromacy



Original Color

8.5203, 10.7797, 18.7712

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.9305, 9.1475, 12.4140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.5203, 10.7797, 18.7712 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(35, 100, 118)` looks like.

```
.text, #text, p{  
    color:rgb(35, 100, 118)  
}
```

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(35, 100, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 100, 118) }
```

Border

The CSS property to change the border of an element to XYZ 8.5203, 10.7797, 18.7712 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(35, 100, 118) }
```


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

```
.border{ border-color:rgb(35, 100, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 100, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 100, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 100, 118);  
box-shadow:4px 4px 4px 4px rgb(35, 100,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 8.5203, 10.7797, 18.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 100, 118) }
```

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

```
.background{ background-color: rgb(35, 100,  
118) }
```

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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