

Converting Colors

XYZ(8.1725, 10.3612, 19.3386)

Have a look what the booklet for
XYZ(8.1725, 10.3612, 19.3386)
contains.

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Color

**XYZ(8.1345, 10.2856,
19.3259)**

Conversions

Conversions Part 1

Format	Color
Hex	186278
RGB	24, 98, 120
RGB Percent	9%, 38%, 47%
CMY	0.9059, 0.6157, 0.5294
CMYK	0.80, 0.18, 0.00, 0.53
HSL	194°, 67%, 28%
HSV	194°, 80%, 47%
XYZ	8.1345, 10.2856, 19.3259
YIQ	78.3820, -51.1660, -8.8460

Conversions

Conversions Part 2

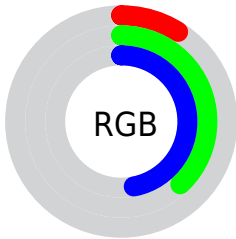
Format	Color
R_{YB}	24, 66, 120
Decimal	1598072
CIE _{Lab}	38.35, -13.92, -18.69
CIE _{LCh}	38, 23.307, 233.314
Yxy	10.2856, 0.2155, 0.2725
Android (android.graphics.Color)	4279788152 (0xFF186278)
YUV	78.3820, 20.5177, -47.6930
Hunter-Lab	32.0712, -10.8500, -13.2780

Details

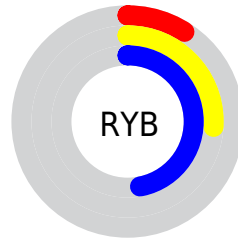
The XYZ color **8.1345, 10.2856, 19.3259** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.8879, 6.0135, 1.5567**, and the grayscale version is **7.2835, 7.6628, 8.3448**.

A 20% lighter version of the original color is **21.9402, 26.4047, 42.9700**, and **2.3212, 2.8226, 6.3837** is the 20% darker color. If you saturate the color by 10%, you get **7.6568, 9.6641, 19.2313**, and if you desaturate by 10%, it is **8.7475, 10.9904, 19.4298**.

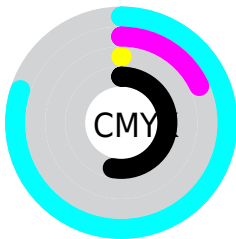
Distribution



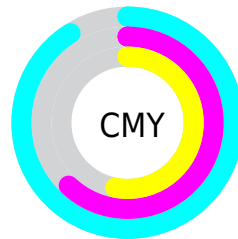
- Red (9%)
- Green (38%)
- Blue (47%)



- Red (9%)
- Yellow (26%)
- Blue (47%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)



- Cyan (91%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1345, 10.2856, 19.3259 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 8.1345, 10.2856, 19.3259 by changing the saturation by 10% instead.

8.1345, 10.2856,
19.3259

8.1345, 10.2856,
19.3259

171.1307,
192.6985, 260.7245

4.2337, 5.5887,
11.7268

21.9046, 26.3313,
43.1281

1.8352, 2.5967,
6.4377

32.5046, 38.4490,
60.1683

0.5387, 0.9250,
3.0399

46.0683, 53.8090,
81.1925

0.0000, 0.0000,
1.1151

62.9611, 72.7957,
106.6195

0.0000, 0.0000,
0.0000

83.5484, 95.7937,
136.8676

108.1956,

123.1872, 172.3554

137.2679,
155.3607, 213.5015

■ 8.1345, 10.2856,
19.3259

■ 8.1345, 10.2856,
19.3259

■ 7.6568, 9.6641,
19.2313

■ 8.7475, 10.9904,
19.4298

■ 7.2610, 9.0975,
19.1428

■ 9.5097, 11.7852,
19.5431

■ 7.2608, 9.0973,
19.1428

■ 10.4341, 12.6769,
19.6665

■ 11.5320, 13.6717,
19.8006

■ 12.8137, 14.7748,
19.9460

■ 14.2888, 15.9914,
20.1031

■ 15.9660, 17.3260,
20.2723

■ 17.8535, 18.7830,
20.4540

■ 19.9592, 20.3666,
20.6487

Harmonies

Analogous

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



7.3339, 10.2856, 14.8427



8.1345, 10.2856, 19.3259



9.4403, 10.2856, 21.7180

Triad

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



8.1345, 10.2856, 19.3259



12.9699, 10.2856, 12.2007



8.6663, 10.2856, 5.1445

Complementary

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



8.1345, 10.2856, 19.3259



8.8879, 6.0135, 1.5567

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.



10.1198, 10.2856, 4.7811



8.1345, 10.2856, 19.3259



12.7080, 10.2856, 8.2069

Square

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



8.1345, 10.2856, 19.3259



12.3077, 10.2856, 16.9703



11.6250, 10.2856, 5.7458



7.6180, 10.2856, 6.9119

Rectangle

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



8.1345, 10.2856, 19.3259



10.4636, 10.2856, 21.4581



11.6250, 10.2856, 5.7458



9.1195, 10.2856, 4.8768

Sweetspot

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



8.1348, 10.2860, 19.3262



23.8964, 27.1177, 35.2278



7.5633, 13.8153, 4.7310



5.4862, 6.2800, 8.3297



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.1348, 10.2860, 19.3262



12.9179, 16.1799, 33.6953



4.9598, 3.9359, 18.2678



4.0329, 4.3641, 5.0730



7.9101, 9.9027, 20.8798



37.0667, 45.9061, 99.3769

Inverse Universe

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



10.2772, 5.5285, 12.0810



17.1623, 8.5467, 18.9400



11.8078, 11.8531, 2.5300



4.1171, 4.0625, 4.8141



10.5760, 5.2066, 11.5901



50.1127, 24.7014, 53.5170

Previews

White Background



This preview shows how the XYZ color 8.1345, 10.2856, 19.3259 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 8.1345, 10.2856, 19.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

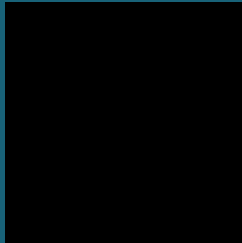
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

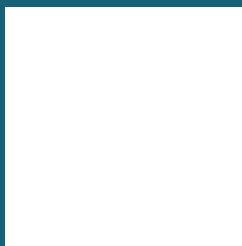
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.1345, 10.2856, 19.3259

Background



This preview shows how black text looks on a background with the XYZ color 8.1345, 10.2856, 19.3259.

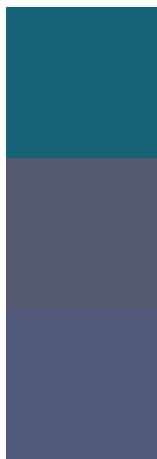


This preview shows how white text looks on a background with the XYZ color 8.1345, 10.2856,

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

8.1345, 10.2856, 19.3259

Protanopia

10.2092, 10.2218, 17.0577

Deuteranopia

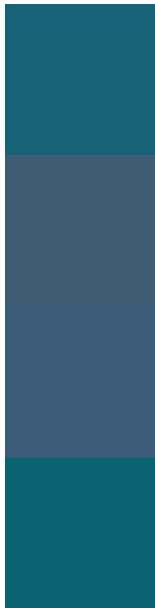
10.4786, 10.2992, 19.8480



Tritanopia

7.2639, 10.1971, 15.7727

Trichromacy



Original Color

8.1345, 10.2856, 19.3259

Protanomaly

8.9661, 9.9394, 17.9689

Deuteranomaly

9.1418, 9.9954, 19.5366

Tritanomaly

7.4991, 10.1516, 16.8934

Monochromacy



Original Color

8.1345, 10.2856, 19.3259

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.9692, 8.1869, 11.5688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1345, 10.2856, 19.3259 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(24, 98, 120)` looks like.

```
.text, #text, p{  
    color:rgb(24, 98, 120)  
}
```

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(24, 98, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 98, 120) }
```

Border

The CSS property to change the border of an element to XYZ 8.1345, 10.2856, 19.3259 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(24, 98, 120) }
```


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

```
.border{ border-color:rgb(24, 98, 120) }
```

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

Here you see how a box with a 4 pixel rgb(24, 98, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 98, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 98, 120);  
box-shadow:4px 4px 4px 4px rgb(24, 98,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 8.1345, 10.2856, 19.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 98, 120) }
```

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

```
.background{ background-color: rgb(24, 98,  
120) }
```

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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