

Converting Colors

XYZ(18.3583, 25.2122, 28.8066)

Have a look what the booklet for
XYZ(18.3583, 25.2122, 28.8066)
contains.

XYZ(18.2385, 25.0457, 28.6840)	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(18.2385, 25.0457,
28.6840)**

Conversions

Conversions Part 1

Format	Color
Hex	47968C
RGB	71, 150, 140
RGB Percent	28%, 59%, 55%
CMY	0.7216, 0.4118, 0.4510
CMYK	0.53, 0.00, 0.07, 0.41
HSL	172°, 36%, 43%
HSV	172°, 53%, 59%
XYZ	18.2385, 25.0457, 28.6840
YIQ	125.2390, -43.8740, -19.8580

Conversions

Conversions Part 2

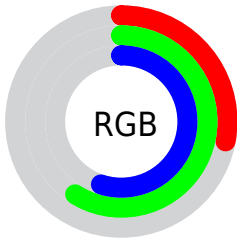
Format	Color
RYB	71, 113, 150
Decimal	4691596
CIELab	57.12, -26.78, -2.14
CIElCh	57, 26.863, 184.573
Yxy	25.0457, 0.2534, 0.3480
Android (android.graphics.Color)	4282881676 (0xFF47968C)
YUV	125.2390, 7.2772, -47.5676
Hunter-Lab	50.0457, -22.5279, 1.0495

Details

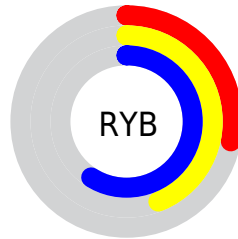
The XYZ color **18.2385, 25.0457, 28.6840** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3170, 11.5853, 9.1617**, and the grayscale version is **19.5610, 20.5797, 22.4113**.

A 20% lighter version of the original color is **40.0611, 51.9485, 58.3677**, and **6.3198, 9.6683, 11.2059** is the 20% darker color. If you saturate the color by 10%, you get **17.1326, 24.4923, 27.9080**, and if you desaturate by 10%, it is **19.6198, 25.7421, 29.4866**.

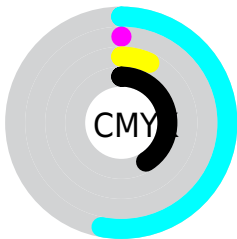
Distribution



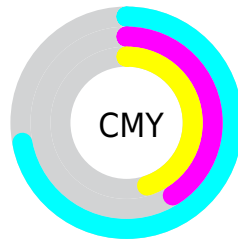
- Red (28%)
- Green (59%)
- Blue (55%)



- Red (28%)
- Yellow (44%)
- Blue (59%)



- Cyan (53%)
- Magenta (0%)
- Yellow (7%)
- Black (41%)



- Cyan (72%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2385, 25.0457, 28.6840 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 18.2385, 25.0457, 28.6840 by changing the saturation by 10% instead.

■ 18.2385, 25.0457,
28.6840

■ 18.2385, 25.0457,
28.6840

235.2316,
278.0655, 309.7352

■ 11.2221, 16.1111,
18.5984

■ 39.9702, 51.7314,
58.6108

■ 6.2848, 9.6028,
11.2066

■ 55.4162, 70.2512,
79.2891

■ 3.0613, 5.1364,
6.0900

■ 74.4028, 92.7349,
104.3354

■ 1.1863, 2.3275,
2.8302

■ 97.2953, 119.5669,
134.1682

■ 0.0955, 0.7882,
1.0086

■ 124.4590,
151.1316, 169.2060

■ 0.0000, 0.0000,
0.0000

156.2595,

187.8133, 209.8674

193.0619,
229.9964, 256.5710

■ 18.2385, 25.0457,
28.6840

■ 18.2385, 25.0457,
28.6840

■ 17.1326, 24.4923,
27.9080

■ 19.6198, 25.7421,
29.4866

■ 16.2797, 24.0683,
27.1559

■ 21.2927, 26.5879,
30.3149

■ 15.6571, 23.7629,
26.4271

■ 23.2746, 27.5927,
31.1705

■ 15.2374, 23.5617,
25.7202

■ 25.5809, 28.7645,
32.0540

■ 15.0043, 23.4525,
25.2130

■ 28.2261, 30.1107,
32.9662

■ 31.2237, 31.6383,
33.9079

■ 34.5865, 33.3538,
34.8797

■ 38.3266, 35.2636,
35.8821

■ 42.4556, 37.3736,
36.9158

Harmonies

Analogous

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



18.7202, 25.0457, 20.4494



18.2385, 25.0457, 28.6840



19.1366, 25.0457, 38.4069

Triad

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



18.2385, 25.0457, 28.6840



27.4290, 25.0457, 44.2905



26.5156, 25.0457, 14.3620

Complementary

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



18.2385, 25.0457, 28.6840



16.3170, 11.5853, 9.1617

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.



29.1772, 25.0457, 18.5263



18.2385, 25.0457, 28.6840



29.7365, 25.0457, 35.4612

Square

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



18.2385, 25.0457, 28.6840



24.2938, 25.0457, 48.6000



30.4029, 25.0457, 25.9042



23.3232, 25.0457, 13.3230

Rectangle

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



18.2385, 25.0457, 28.6840



20.4482, 25.0457, 44.0847



30.4029, 25.0457, 25.9042



27.5108, 25.0457, 15.3892

Sweetspot

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



18.2392, 25.0467, 28.6846



43.5895, 49.9714, 55.9913



15.4837, 24.0416, 9.7862



9.4936, 10.9898, 12.3449



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.2392, 25.0467, 28.6846



29.9683, 43.0892, 49.0378



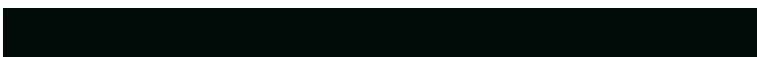
14.9458, 17.2253, 31.3923



5.9328, 6.5497, 7.2573



12.4519, 19.4536, 20.9531



0.1595, 0.2409, 0.2939

Inverse Universe

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



16.3170, 11.5853, 9.1617



26.2222, 16.7305, 10.8990



18.2698, 16.0478, 8.0964



5.8289, 5.8266, 6.2052



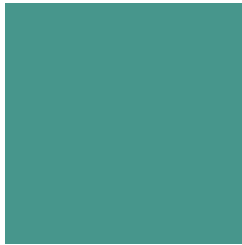
10.5363, 5.4196, 1.0390



0.1348, 0.0687, 0.0432

Previews

White Background



This preview shows how the XYZ color 18.2385, 25.0457, 28.6840 looks on a white 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

Black Background



This preview shows how the XYZ color 18.2385, 25.0457, 28.6840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

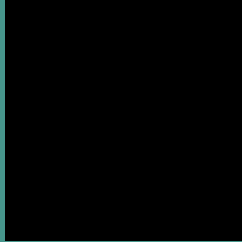
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2385, 25.0457, 28.6840

Background



This preview shows how black text looks on a background with the XYZ color 18.2385, 25.0457, 28.6840.

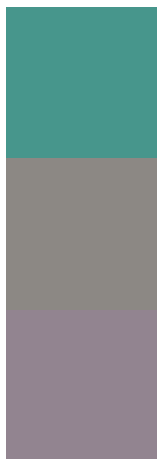


This preview shows how white text looks on a background with the XYZ color 18.2385, 25.0457,

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

18.2385, 25.0457, 28.6840

Protanopia

23.7842, 24.8497, 25.3727

Deuteranopia

25.1394, 24.6271, 29.8141



Tritanopia

19.7523, 24.9484, 36.5754

Trichromacy



Original Color

18.2385, 25.0457, 28.6840

Protanomaly

20.9683, 24.4439, 26.5347

Deuteranomaly

21.7983, 24.3703, 29.5417

Tritanomaly

19.1591, 24.9427, 33.5104

Monochromacy



Original Color

18.2385, 25.0457, 28.6840

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.3801, 21.6652, 24.3322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2385, 25.0457, 28.6840 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(71, 150, 140)` looks like.

```
.text, #text, p{  
    color:rgb(71, 150, 140)  
}
```

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(71, 150, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 150, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.2385, 25.0457, 28.6840 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(71, 150, 140) }
```


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

```
.border{ border-color:rgb(71, 150, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 150, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 150, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 150, 140);  
box-shadow:4px 4px 4px 4px rgb(71, 150,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2385, 25.0457, 28.6840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 150, 140) }
```

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

```
.background{ background-color: rgb(71, 150,  
140) }
```

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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