

Converting Colors

XYZ(12.4757, 17.8967, 24.8312)

Have a look what the booklet for
XYZ(12.4757, 17.8967, 24.8312)
contains.

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Color

**XYZ(12.5636, 18.0362,
25.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	108385
RGB	16, 131, 133
RGB Percent	6%, 51%, 52%
CMY	0.9372, 0.4863, 0.4784
CMYK	0.88, 0.02, 0.00, 0.48
HSL	181°, 79%, 29%
HSV	181°, 88%, 52%
XYZ	12.5636, 18.0362, 25.0095
YIQ	96.8430, -69.1820, -23.7580

Conversions

Conversions Part 2

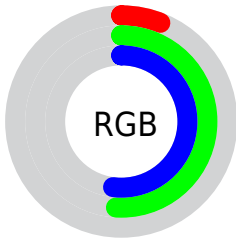
Format	Color
RYB	16, 74, 133
Decimal	1082245
CIELab	49.54, -27.80, -9.48
CIELCh	50, 29.373, 198.837
Yxy	18.0362, 0.2259, 0.3243
Android (android.graphics.Color)	4279272325 (0xFF108385)
YUV	96.8430, 17.8254, -70.8993
Hunter-Lab	42.4690, -21.5153, -5.1868

Details

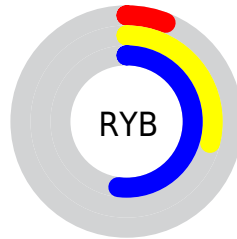
The XYZ color **12.5636, 18.0362, 25.0095** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.9831, 5.4570, 1.0178**, and the grayscale version is **11.2946, 11.8828, 12.9404**.

A 20% lighter version of the original color is **30.0279, 39.9009, 52.5734**, and **4.5427, 6.5250, 9.4075** is the 20% darker color. If you saturate the color by 10%, you get **12.3537, 17.8831, 24.9913**, and if you desaturate by 10%, it is **12.8964, 18.2535, 25.0342**.

Distribution



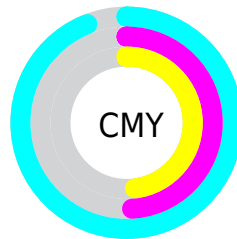
- Red (6%)
- Green (51%)
- Blue (52%)



- Red (6%)
- Yellow (29%)
- Blue (52%)



- Cyan (88%)
- Magenta (2%)
- Yellow (0%)
- Black (48%)



- Cyan (94%)
- Magenta (49%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5636, 18.0362, 25.0095 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 12.5636, 18.0362, 25.0095 by changing the saturation by 10% instead.

■ 12.5636, 18.0362,
25.0095

■ 12.5636, 18.0362,
25.0095

201.7962,
241.0750, 291.3344

■ 7.2037, 10.9760,
15.8650

■ 30.1255, 40.0990,
52.6369

■ 3.6372, 6.0507,
9.2754

■ 43.0583, 55.8704,
71.9570

■ 1.4990, 2.8759,
4.8220

■ 59.2459, 75.3142,
95.5061

■ 0.3252, 1.0673,
2.0863

■ 79.0539, 98.8150,
123.7026

■ 0.0000, 0.0000,
0.6076

■ 102.8476,
126.7571, 156.9651

■ 0.0000, 0.0000,
0.0000

■ 130.9923,

159.5248, 195.7123

163.8534,
197.5027, 240.3625

■ 12.5636, 18.0362,
25.0095

■ 12.5636, 18.0362,
25.0095

■ 12.3537, 17.8831,
24.9913

■ 12.8964, 18.2535,
25.0342

■ 12.3136, 17.8532,
24.9877

■ 13.3915, 18.5542,
25.0662

■ 14.0681, 18.9486,
25.1066

■ 14.9422, 19.4449,
25.1564

■ 16.0281, 20.0504,
25.2160

■ 17.3387, 20.7719,
25.2862

■ 18.8861, 21.6156,
25.3675

■ 20.6811, 22.5870,
25.4604

■ 22.7344, 23.6917,
25.5654

Harmonies

Analogous

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



12.4137, 18.0362, 16.8201



12.5636, 18.0362, 25.0095



13.8586, 18.0362, 33.5709

Triad

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



12.5636, 18.0362, 25.0095



21.4919, 18.0362, 31.5415



18.1991, 18.0362, 8.1196

Complementary

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



12.5636, 18.0362, 25.0095



9.9831, 5.4570, 1.0178

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.



20.9089, 18.0362, 10.2181



12.5636, 18.0362, 25.0095



22.9424, 18.0362, 22.7551

Square

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



12.5636, 18.0362, 25.0095



18.9280, 18.0362, 37.9909



22.7182, 18.0362, 15.0972



15.4737, 18.0362, 8.4176

Rectangle

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



12.5636, 18.0362, 25.0095



15.2839, 18.0362, 37.6616



22.7182, 18.0362, 15.0972



19.1468, 18.0362, 8.5391

Sweetspot

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



12.5642, 18.0369, 25.0099



31.4039, 37.3917, 45.3006



8.7104, 16.9291, 3.3792



6.9079, 8.3325, 10.1969



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.5642, 18.0369, 25.0099



22.0384, 31.9462, 44.7431



6.8011, 6.5107, 23.0889



4.7950, 5.2656, 5.9644



11.7293, 17.0065, 23.8011



0.0412, 0.0600, 0.0826

Inverse Universe

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



13.9554, 6.9963, 22.0883



24.6193, 11.8488, 39.2368



12.3826, 10.2560, 1.8176



4.8545, 4.7615, 5.8464



13.0985, 6.3038, 20.8891



0.0457, 0.0219, 0.0738

Previews

White Background



This preview shows how the XYZ color 12.5636, 18.0362, 25.0095 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 12.5636, 18.0362, 25.0095 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 12.5636, 18.0362, 25.0095

Background



This preview shows how black text looks on a background with the XYZ color 12.5636, 18.0362, 25.0095.

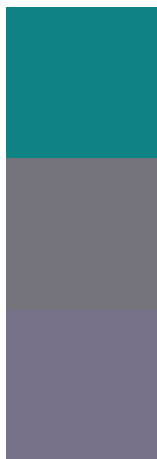


This preview shows how white text looks on a background with the XYZ color 12.5636, 18.0362,

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

12.5636, 18.0362, 25.0095

Protanopia

17.2196, 17.7279, 21.5830

Deuteranopia

18.1404, 17.7627, 26.1394



Tritanopia

13.1423, 18.0783, 27.6077

Trichromacy



Original Color

12.5636, 18.0362, 25.0095

Protanomaly

13.9764, 16.9125, 22.6065

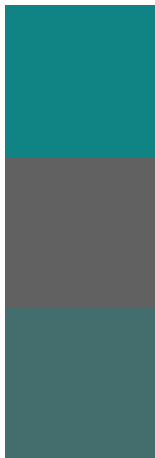
Deuteranomaly

14.6401, 17.0044, 25.8031

Tritanomaly

12.8289, 17.9420, 26.4539

Monochromacy



Original Color

12.5636, 18.0362, 25.0095

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.6670, 13.2920, 16.7553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5636, 18.0362, 25.0095 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(16, 131, 133)` looks like.

```
.text, #text, p{  
    color:rgb(16, 131, 133)  
}
```

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(16, 131, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 131, 133) }
```

Border

The CSS property to change the border of an element to XYZ 12.5636, 18.0362, 25.0095 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(16, 131, 133) }
```


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

```
.border{ border-color:rgb(16, 131, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 131, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 131, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 131, 133);  
box-shadow:4px 4px 4px 4px rgb(16, 131,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5636, 18.0362, 25.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 131, 133) }
```

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

```
.background{ background-color: rgb(16, 131,  
133) }
```

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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