

Converting Colors

XYZ(18.4440, 27.0391, 35.7537)

Have a look what the booklet for
XYZ(18.4440, 27.0391, 35.7537)
contains.

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Color

**XYZ(18.3792, 26.9322,
35.6822)**

Conversions

Conversions Part 1

Format	Color
Hex	0C9E9C
RGB	12, 158, 156
RGB Percent	5%, 62%, 61%
CMY	0.9529, 0.3804, 0.3882
CMYK	0.92, 0.00, 0.01, 0.38
HSL	179°, 86%, 33%
HSV	179°, 92%, 62%
XYZ	18.3792, 26.9322, 35.6822
YIQ	114.1180, -86.3740, -31.5740

Conversions

Conversions Part 2

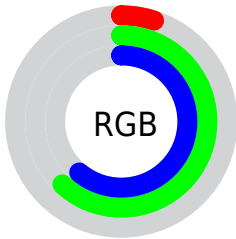
Format	Color
R_{YB}	12, 86, 158
Decimal	827036
CIE _{Lab}	58.91, -33.76, -8.73
CIE _{LCh}	59, 34.871, 194.499
Yxy	26.9322, 0.2269, 0.3325
Android (android.graphics.Color)	4279017116 (0xFF0C9E9C)
YUV	114.1180, 20.6478, -89.5575
Hunter-Lab	51.8962, -27.6021, -4.4385

Details

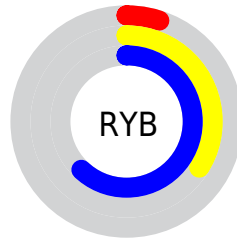
The XYZ color **18.3792, 26.9322, 35.6822** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.3122, 7.5645, 1.1220**, and the grayscale version is **15.9902, 16.8230, 18.3202**.

A 20% lighter version of the original color is **40.1464, 54.6745, 69.4101**, and **7.7038, 11.3280, 15.1451** is the 20% darker color. If you saturate the color by 10%, you get **18.2142, 26.8493, 35.6023**, and if you desaturate by 10%, it is **18.7205, 27.1066, 35.7946**.

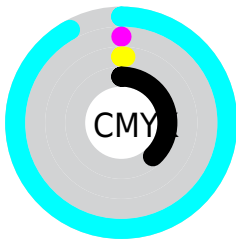
Distribution



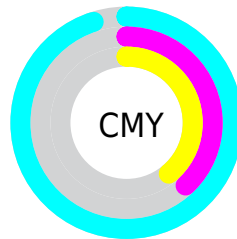
- Red (5%)
- Green (62%)
- Blue (61%)



- Red (5%)
- Yellow (34%)
- Blue (62%)



- Cyan (92%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (95%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3792, 26.9322, 35.6822 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 18.3792, 26.9322, 35.6822 by changing the saturation by 10% instead.

■ 18.3792, 26.9322,
35.6822

■ 18.3792, 26.9322,
35.6822

236.0043,
287.3287, 342.5647

■ 11.3239, 17.5223,
23.9011

■ 40.2075, 54.7751,
69.7048

■ 6.3540, 10.6076,
15.0488

■ 55.7111, 73.9768,
92.7833

■ 3.1042, 5.8036,
8.7066

■ 74.7617, 97.2113,
120.4648

■ 1.2091, 2.7260,
4.4561

■ 97.7244, 124.8629,
153.1677

■ 0.1135, 0.9904,
1.8788

■ 124.9646,
157.3161, 191.3106

■ 0.0000, 0.0000,
0.4792

■ 156.8478,

■ 0.0000, 0.0000,

194.9552, 235.3121

0.0000

193.7392,
238.1646, 285.5906

■ 18.3792, 26.9322,
35.6822

■ 18.3792, 26.9322,
35.6822

■ 18.2142, 26.8493,
35.6023

■ 18.7205, 27.1066,
35.7946

■ 19.2873, 27.3967,
35.9172

■ 20.1120, 27.8197,
36.0520

■ 21.2207, 28.3891,
36.2002

■ 22.6367, 29.1170,
36.3630

■ 24.3807, 30.0139,
36.5414

■ 26.4717, 31.0897,
36.7361

■ 28.9271, 32.3533,
36.9480

■ 31.7633, 33.8133,
37.1780

Harmonies

Analogous

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



18.4093, 26.9322, 23.4238



18.3792, 26.9322, 35.6822



20.1268, 26.9322, 49.3211

Triad

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



18.3792, 26.9322, 35.6822



31.8622, 26.9322, 49.7376



27.8793, 26.9322, 11.8750

Complementary

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



18.3792, 26.9322, 35.6822



14.3122, 7.5645, 1.1220

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.



31.9810, 26.9322, 15.6286



18.3792, 26.9322, 35.6822



34.4505, 26.9322, 36.1414

Square

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



18.3792, 26.9322, 35.6822



27.7313, 26.9322, 58.8543



34.4963, 26.9322, 23.7709



23.5775, 26.9322, 11.8163

Rectangle

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



18.3792, 26.9322, 35.6822



22.1912, 26.9322, 56.4108



34.4963, 26.9322, 23.7709



29.3374, 26.9322, 12.6865

Sweetspot

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



18.3800, 26.9332, 35.6828



45.6577, 55.2152, 66.4891



12.4820, 24.5782, 4.4346



9.9622, 12.2778, 14.9582



76.7382, 80.7346, 87.9200



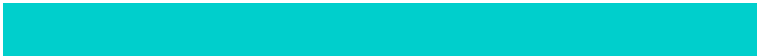
13.3056, 13.9985, 15.2444

Same Dimension

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



18.3800, 26.9332, 35.6828



33.0693, 48.7540, 64.6172



9.7679, 9.4355, 33.6553



6.8179, 7.5079, 8.4758



14.5884, 21.5033, 28.5194



0.2620, 0.3849, 0.5158

Inverse Universe

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



14.3122, 7.5645, 1.1220



25.6221, 13.2069, 1.2801



17.2286, 13.4181, 2.0304



6.6366, 6.6475, 6.9373



11.3038, 5.8261, 0.5850



0.2031, 0.1046, 0.0155

Previews

White Background



This preview shows how the XYZ color 18.3792, 26.9322, 35.6822 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 18.3792, 26.9322, 35.6822 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

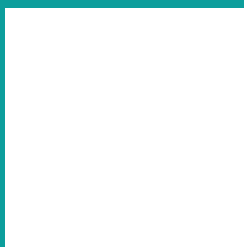
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3792, 26.9322, 35.6822

Background



This preview shows how black text looks on a background with the XYZ color 18.3792, 26.9322, 35.6822.

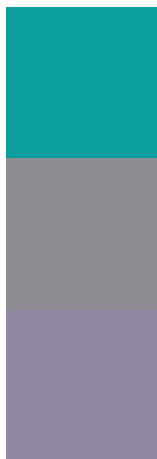


This preview shows how white text looks on a background with the XYZ color 18.3792, 26.9322,

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

18.3792, 26.9322, 35.6822

Protanopia

25.6442, 26.5513, 30.5614

Deuteranopia

27.0557, 26.4843, 37.4042



Tritanopia

19.6456, 26.9486, 41.7023

Trichromacy



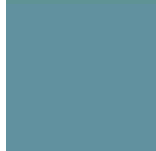
Original Color

18.3792, 26.9322, 35.6822



Protanomaly

20.5778, 25.4703, 32.2655



Deuteranomaly

21.3132, 25.2954, 36.5601



Tritanomaly

19.1587, 27.0010, 39.3239

Monochromacy



Original Color

18.3792, 26.9322, 35.6822



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.0056, 19.1280, 23.6701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3792, 26.9322, 35.6822 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(12, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(12, 158, 156)  
}
```

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(12, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 158, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.3792, 26.9322, 35.6822 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(12, 158, 156) }
```


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

```
.border{ border-color:rgb(12, 158, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(12, 158,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3792, 26.9322, 35.6822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 158, 156) }
```

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

```
.background{ background-color: rgb(12, 158,  
156) }
```

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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