

Converting Colors

XYZ(18.8651, 25.7919, 42.3573)

Have a look what the booklet for
XYZ(18.8651, 25.7919, 42.3573)
contains.

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Color

**XYZ(18.8935, 25.8009,
42.5124)**

Conversions

Conversions Part 1

Format	Color
Hex	0C99AB
RGB	12, 153, 171
RGB Percent	5%, 60%, 67%
CMY	0.9528, 0.4000, 0.3294
CMYK	0.93, 0.11, 0.00, 0.33
HSL	187°, 87%, 36%
HSV	187°, 93%, 67%
XYZ	18.8935, 25.8009, 42.5124
YIQ	112.8930, -89.8140, -24.2940

Conversions

Conversions Part 2

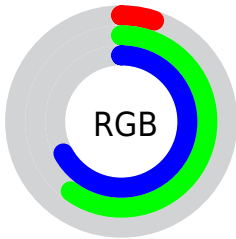
Format	Color
RYB	12, 87, 171
Decimal	825771
CIELab	57.85, -26.50, -18.85
CIELCh	58, 32.525, 215.429
Yxy	25.8009, 0.2167, 0.2959
Android (android.graphics.Color)	4279015851 (0xFF0C99AB)
YUV	112.8930, 28.6468, -88.4832
Hunter-Lab	50.7946, -22.4959, -14.0664

Details

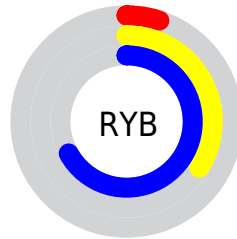
The XYZ color **18.8935, 25.8009, 42.5124** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3262, 9.6143, 1.2911**, and the grayscale version is **15.6036, 16.4162, 17.8772**.

A 20% lighter version of the original color is **41.1072, 53.0895, 80.0322**, and **7.9835, 10.6393, 19.0856** is the 20% darker color. If you saturate the color by 10%, you get **18.5208, 25.2804, 42.4321**, and if you desaturate by 10%, it is **19.5720, 26.6255, 42.6363**.

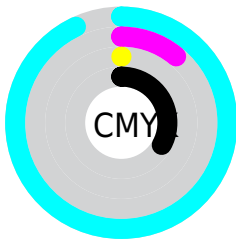
Distribution



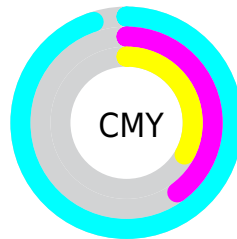
- Red (5%)
- Green (60%)
- Blue (67%)



- Red (5%)
- Yellow (34%)
- Blue (67%)



- Cyan (93%)
- Magenta (11%)
- Yellow (0%)
- Black (33%)



- Cyan (95%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8935, 25.8009, 42.5124 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 18.8935, 25.8009, 42.5124 by changing the saturation by 10% instead.

■ 18.8935, 25.8009,
42.5124

■ 18.8935, 25.8009,
42.5124

■ 238.8096,
281.8033, 372.4648

■ 11.6969, 16.6748,
29.1742

■ 41.0723, 52.9536,
80.2530

■ 6.6084, 10.0029,
18.9659

■ 56.7853, 71.7489,
105.4924

■ 3.2625, 5.4009,
11.4691

■ 76.0677, 94.5361,
135.5360

■ 1.2941, 2.4843,
6.2652

■ 99.2850, 121.6995,
170.8022

■ 0.1788, 0.8688,
2.9356

■ 126.8024,
153.6235, 211.7097

■ 0.0000, 0.0000,
1.0618

■ 158.9855,

■ 0.0000, 0.0000,

190.6925, 258.6769

0.0000

196.1994,
233.2910, 312.1224

■ 18.8935, 25.8009,
42.5124

■ 18.8935, 25.8009,
42.5124

■ 18.5208, 25.2804,
42.4321

■ 19.5720, 26.6255,
42.6363

■ 20.5233, 27.5978,
42.7738

■ 21.7870, 28.7388,
42.9275

■ 23.3955, 30.0654,
43.0988

■ 25.3774, 31.5923,
43.2890

■ 27.7581, 33.3325,
43.4994

■ 30.5607, 35.2981,
43.7311

■ 33.8065, 37.5000,
43.9851

■ 37.5156, 39.9487,
44.2622

Harmonies

Analogous

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



17.7749, 25.8009, 30.1794



18.8935, 25.8009, 42.5124



21.5281, 25.8009, 52.5732

Triad

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



18.8935, 25.8009, 42.5124



32.0145, 25.8009, 38.0294



23.8186, 25.8009, 11.6488

Complementary

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



18.8935, 25.8009, 42.5124



17.3262, 9.6143, 1.2911

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.



27.7835, 25.8009, 12.7098



18.8935, 25.8009, 42.5124



32.7936, 25.8009, 26.1046

Square

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



18.8935, 25.8009, 42.5124



29.1439, 25.8009, 49.5400



31.1724, 25.8009, 17.3694



20.4183, 25.8009, 13.9484

Rectangle

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



18.8935, 25.8009, 42.5124



23.9288, 25.8009, 55.4817



31.1724, 25.8009, 17.3694



25.1269, 25.8009, 11.6331

Sweetspot

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



18.8943, 25.8018, 42.5130



51.8623, 61.2197, 78.0850



14.9237, 29.2880, 5.9603



11.1138, 13.3323, 17.3753



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.8943, 25.8018, 42.5130



33.0704, 45.0772, 75.9597



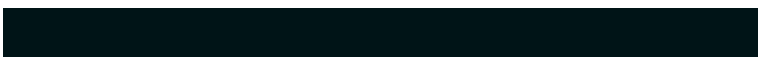
10.0607, 8.1346, 39.5685



8.1578, 8.9149, 10.2435



13.9860, 19.1059, 31.9952



0.4106, 0.5745, 0.8972

Inverse Universe

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



22.6765, 11.2215, 31.1087



40.1257, 19.5249, 54.3168



22.1619, 19.2858, 2.9030



8.2974, 8.1322, 9.8771



16.9231, 8.2318, 23.0384



0.4816, 0.2333, 0.6980

Previews

White Background



This preview shows how the XYZ color 18.8935, 25.8009, 42.5124 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 18.8935, 25.8009, 42.5124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

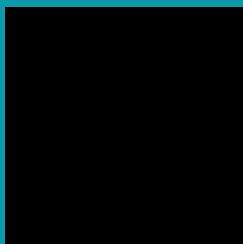
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

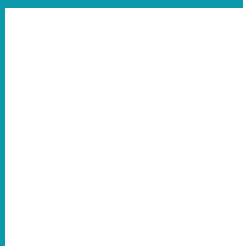
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8935, 25.8009, 42.5124

Background



This preview shows how black text looks on a background with the XYZ color 18.8935, 25.8009, 42.5124.

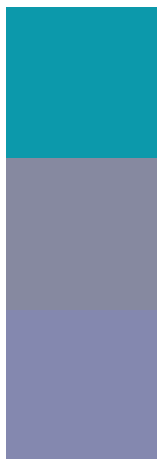


This preview shows how white text looks on a background with the XYZ color 18.8935, 25.8009,

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

18.8935, 25.8009, 42.5124

Protanopia

25.1223, 25.4977, 36.8552

Deuteranopia

26.0577, 25.6090, 44.1271



Tritanopia

18.4385, 25.8644, 40.0969

Trichromacy



Original Color

18.8935, 25.8009, 42.5124



Protanomaly

20.7397, 24.4989, 38.7576



Deuteranomaly

21.3375, 24.4767, 43.6443



Tritanomaly

18.6736, 25.9642, 41.0732

Monochromacy



Original Color

18.8935, 25.8009, 42.5124



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

15.0027, 18.6961, 25.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8935, 25.8009, 42.5124 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, 153, 171)` looks like.

```
.text, #text, p{  
    color:rgb(12, 153, 171)  
}
```

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, 153, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 153, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.8935, 25.8009, 42.5124 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, 153, 171) }
```


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

```
.border{ border-color:rgb(12, 153, 171) }
```

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

Here you see how a box with a 4 pixel rgb(12, 153, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 153, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 153, 171);  
box-shadow:4px 4px 4px 4px rgb(12, 153,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8935, 25.8009, 42.5124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 153, 171) }
```

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

```
.background{ background-color: rgb(12, 153,  
171) }
```

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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