

Converting Colors

XYZ(10.4766, 18.0865, 10.9250)

Have a look what the booklet for
XYZ(10.4766, 18.0865, 10.9250)
contains.

XYZ(10.4755, 18.0859, 10.9215)	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(10.4755, 18.0859,
10.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	148752
RGB	20, 135, 82
RGB Percent	8%, 53%, 32%
CMY	0.9215, 0.4706, 0.6784
CMYK	0.85, 0.00, 0.39, 0.47
HSL	152°, 74%, 30%
HSV	152°, 85%, 53%
XYZ	10.4755, 18.0859, 10.9215
YIQ	94.5730, -51.5270, -40.8630

Conversions

Conversions Part 2

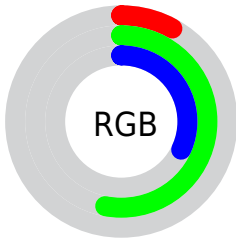
Format	Color
RYB	20, 95, 135
Decimal	1345362
CIELab	49.60, -43.03, 20.18
CIELCh	50, 47.529, 154.879
Yxy	18.0859, 0.2653, 0.4581
Android (android.graphics.Color)	4279535442 (0xFF148752)
YUV	94.5730, -6.1985, -65.4005
Hunter-Lab	42.5275, -30.4545, 14.5430

Details

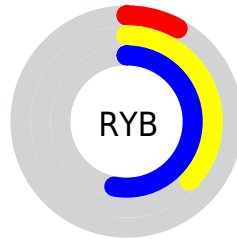
The XYZ color **10.4755, 18.0859, 10.9215** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.4451, 6.1327, 6.8849**, and the grayscale version is **10.7990, 11.3614, 12.3725**.

A 20% lighter version of the original color is **26.2929, 40.0874, 28.1817**, and **3.4888, 6.4680, 2.7336** is the 20% darker color. If you saturate the color by 10%, you get **10.0426, 17.8893, 9.7211**, and if you desaturate by 10%, it is **11.0786, 18.3687, 12.2428**.

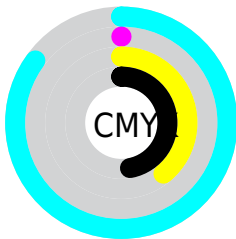
Distribution



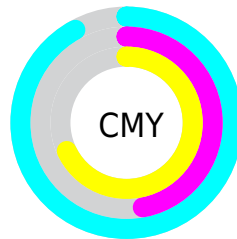
- Red (8%)
- Green (53%)
- Blue (32%)



- Red (8%)
- Yellow (37%)
- Blue (53%)



- Cyan (85%)
- Magenta (0%)
- Yellow (39%)
- Black (47%)



- Cyan (92%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4755, 18.0859, 10.9215 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 10.4755, 18.0859, 10.9215 by changing the saturation by 10% instead.

■ 10.4755, 18.0859,
10.9215

■ 10.4755, 18.0859,
10.9215

188.0165,
241.3548, 207.8463

■ 5.7800, 11.0117,
5.9006

■ 26.3277, 40.1836,
28.1493

■ 2.7512, 6.0747,
2.7169

■ 38.2152, 55.9760,
41.1933

■ 1.0236, 2.8906,
0.9519

■ 53.2308, 75.4431,
57.7488

■ 0.0000, 1.0749,
0.0000

■ 71.7397, 98.9694,
78.2342

■ 0.0000, 0.0000,
0.0000

■ 94.1074, 126.9394,
103.0681

■ 120.6992,

159.7373, 132.6690

151.8804,
197.7476, 167.4556

■ 10.4755, 18.0859,
10.9215

■ 10.4755, 18.0859,
10.9215

■ 10.0426, 17.8893,
9.7211

■ 11.0786, 18.3687,
12.2428

■ 9.8597, 17.8068,
9.1828

■ 11.8773, 18.7493,
13.6879

■ 12.8912, 19.2382,
15.2607

■ 14.1369, 19.8439,
16.9648

■ 15.6292, 20.5741,
18.8034

■ 17.3818, 21.4357,
20.7796

■ 19.4072, 22.4351,
22.8964

■ 21.7172, 23.5783,
25.1568

■ 24.3228, 24.8709,
27.5636

Harmonies

Analogous

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



12.6944, 18.0859, 5.5405



10.4755, 18.0859, 10.9215



9.9189, 18.0859, 21.8802

Triad

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



10.4755, 18.0859, 10.9215



17.9379, 18.0859, 56.2305



25.3270, 18.0859, 8.6343

Complementary

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



10.4755, 18.0859, 10.9215



11.4451, 6.1327, 6.8849

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.



27.3544, 18.0859, 17.6557



10.4755, 18.0859, 10.9215



22.6388, 18.0859, 47.8862

Square

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



10.4755, 18.0859, 10.9215



13.7664, 18.0859, 51.8066



26.2936, 18.0859, 32.2239



21.1390, 18.0859, 4.6825

Rectangle

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



10.4755, 18.0859, 10.9215



10.4644, 18.0859, 32.0918



26.2936, 18.0859, 32.2239



26.3142, 18.0859, 10.9859

Sweetspot

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



10.4760, 18.0866, 10.9219



30.6578, 38.1550, 36.7001



11.5894, 18.8220, 3.6842



6.8756, 8.7259, 8.2506



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.4760, 18.0866, 10.9219



17.5746, 31.8547, 16.0147



12.8010, 18.1762, 25.7562



4.7134, 5.2436, 5.5022



9.0983, 16.4222, 8.5031



0.0352, 0.0584, 0.0489

Inverse Universe

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



11.4451, 6.1327, 6.8849



19.3819, 9.8198, 8.6768



10.4417, 5.8483, 1.2406



4.7552, 4.7218, 5.3233



10.0276, 5.0754, 4.7176



0.0384, 0.0190, 0.0354

Previews

White Background



This preview shows how the XYZ color 10.4755, 18.0859, 10.9215 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 10.4755, 18.0859, 10.9215 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 10.4755, 18.0859, 10.9215

Background



This preview shows how black text looks on a background with the XYZ color 10.4755, 18.0859, 10.9215.



This preview shows how white text looks on a background with the XYZ color 10.4755, 18.0859,

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

10.4755, 18.0859, 10.9215

Protanopia

16.5334, 17.8198, 9.2248

Deuteranopia

17.9957, 17.6797, 11.4809



Tritanopia

13.7955, 18.0325, 27.1796

Trichromacy



Original Color

10.4755, 18.0859, 10.9215



Protanomaly

12.7026, 17.0892, 9.8368



Deuteranomaly

13.0755, 16.5217, 11.0942



Tritanomaly

12.2614, 17.9917, 19.9660

Monochromacy



Original Color

10.4755, 18.0859, 10.9215



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.8053, 13.1190, 11.6883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4755, 18.0859, 10.9215 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(20, 135, 82)` looks like.

```
.text, #text, p{  
    color:rgb(20, 135, 82)  
}
```

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(20, 135, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 135, 82) }
```

Border

The CSS property to change the border of an element to XYZ 10.4755, 18.0859, 10.9215 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(20, 135, 82) }
```


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

```
.border{ border-color:rgb(20, 135, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 135, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 135, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 135, 82);  
box-shadow:4px 4px 4px 4px rgb(20, 135,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4755, 18.0859, 10.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 135, 82) }
```

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

```
.background{ background-color: rgb(20, 135,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor