

Converting Colors

XYZ(9.9902, 18.2716, 7.5363)

Have a look what the booklet for
XYZ(9.9902, 18.2716, 7.5363)
contains.

XYZ(10.0288, 18.3493, 7.5706)	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(10.0288, 18.3493,
7.5706)**

Conversions

Conversions Part 1

Format	Color
Hex	10893E
RGB	16, 137, 62
RGB Percent	6%, 54%, 24%
CMY	0.9373, 0.4627, 0.7569
CMYK	0.88, 0.00, 0.55, 0.46
HSL	143°, 79%, 30%
HSV	143°, 88%, 54%
XYZ	10.0288, 18.3493, 7.5706
YIQ	92.2710, -48.0410, -48.9770

Conversions

Conversions Part 2

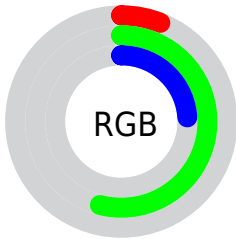
Format	Color
RYB	16, 104, 137
Decimal	1083710
CIELab	49.92, -47.86, 31.41
CIELCh	50, 57.243, 146.722
Yxy	18.3493, 0.2790, 0.5104
Android (android.graphics.Color)	4279273790 (0xFF10893E)
YUV	92.2710, -14.9236, -66.8897
Hunter-Lab	42.8361, -33.1727, 19.5067

Details

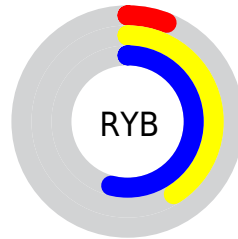
The XYZ color **10.0288, 18.3493, 7.5706** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.3905, 6.4444, 10.4882**, and the grayscale version is **10.2768, 10.8120, 11.7742**.

A 20% lighter version of the original color is **25.5566, 40.8254, 21.5720**, and **3.4071, 6.6873, 1.5267** is the 20% darker color. If you saturate the color by 10%, you get **9.6292, 18.1687, 6.4294**, and if you desaturate by 10%, it is **10.5938, 18.6120, 8.9105**.

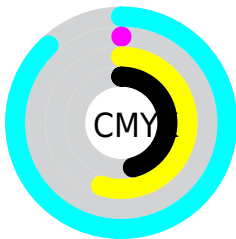
Distribution



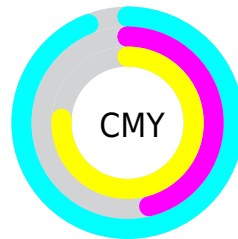
- Red (6%)
- Green (54%)
- Blue (24%)



- Red (6%)
- Yellow (41%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (55%)
- Black (46%)





- Cyan (94%)
- Magenta (46%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0288, 18.3493, 7.5706 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 10.0288, 18.3493, 7.5706 by changing the saturation by 10% instead.

 10.0288, 18.3493,
7.5706


 10.0288, 18.3493,
7.5706


184.9268,
242.8326, 182.1311


 5.4805, 11.2011,
3.7376


 25.4988, 40.6316,
21.6443


 2.5695, 6.2022,
1.4825

 37.1513, 56.5345,
32.7222


 0.9304, 2.9684,
0.2049

 51.9024, 76.1244,
47.0521

 0.0000, 1.1153,
0.0000

 70.1177, 99.7857,
65.0526

 0.0000, 0.0000,
0.0000

 92.1624, 127.9027,
87.1422

 118.4019,

160.8600, 113.7394

149.2016,
199.0418, 145.2629

■ 10.0288, 18.3493,
7.5706

■ 10.0288, 18.3493,
7.5706

■ 9.6292, 18.1687,
6.4294

■ 10.5938, 18.6120,
8.9105

■ 9.5678, 18.1408,
6.2562

■ 11.3699, 18.9786,
10.4583

■ 12.3789, 19.4608,
12.2232

■ 13.6398, 20.0681,
14.2134

■ 15.1692, 20.8089,
16.4366

■ 16.9826, 21.6911,
18.9003

■ 19.0939, 22.7217,
21.6115

■ 21.5164, 23.9074,
24.5769

■ 24.2622, 25.2544,
27.8030

Harmonies

Analogous

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



13.1169, 18.3493, 3.3261



10.0288, 18.3493, 7.5706



8.8913, 18.3493, 18.3022

Triad

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



10.0288, 18.3493, 7.5706



16.8446, 18.3493, 67.8156



28.6519, 18.3493, 9.2467

Complementary

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



10.0288, 18.3493, 7.5706



12.3905, 6.4444, 10.4882

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.



30.2232, 18.3493, 21.7557



10.0288, 18.3493, 7.5706



22.6228, 18.3493, 60.8948

Square

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



10.0288, 18.3493, 7.5706



12.2723, 18.3493, 57.3375



27.8208, 18.3493, 41.5440



23.8874, 18.3493, 3.8764

Rectangle

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



10.0288, 18.3493, 7.5706



9.1676, 18.3493, 29.9852



27.8208, 18.3493, 41.5440



29.6092, 18.3493, 12.4910

Sweetspot

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



10.0293, 18.3500, 7.5710



31.0335, 39.1464, 34.6624



13.5168, 20.2376, 3.6840



6.7267, 8.6663, 7.4664



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.



10.0293, 18.3500, 7.5710



17.0593, 32.4558, 10.8123



12.6028, 19.3795, 21.1234



5.0454, 5.6376, 5.7601



8.9175, 16.8996, 5.8564



0.0660, 0.1150, 0.0744

Inverse Universe

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



12.3905, 6.4444, 10.4882



21.3244, 10.6640, 15.8690



10.7647, 5.7941, 1.9270



5.1546, 5.0973, 5.9025



11.1400, 5.5661, 8.5074



0.0812, 0.0398, 0.0942

Previews

White Background



This preview shows how the XYZ color 10.0288, 18.3493, 7.5706 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 10.0288, 18.3493, 7.5706 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 10.0288, 18.3493, 7.5706

Background



This preview shows how black text looks on a background with the XYZ color 10.0288, 18.3493, 7.5706.



This preview shows how white text looks on a background with the XYZ color 10.0288, 18.3493,

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

10.0288, 18.3493, 7.5706

Protanopia

16.5523, 18.0677, 6.3564

Deuteranopia

18.4501, 18.1569, 8.0010



Tritanopia

14.0860, 18.3768, 27.2308

Trichromacy



Original Color

10.0288, 18.3493, 7.5706

Protanomaly

12.2172, 17.0966, 6.6590

Deuteranomaly

12.8727, 16.8538, 7.7289

Tritanomaly

12.0350, 18.1216, 17.9024

Monochromacy



Original Color

10.0288, 18.3493, 7.5706

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

8.9621, 12.4092, 9.7074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0288, 18.3493, 7.5706 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, 137, 62)` looks like.

```
.text, #text, p{  
    color:rgb(16, 137, 62)  
}
```

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, 137, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 137, 62) }
```

Border

The CSS property to change the border of an element to XYZ 10.0288, 18.3493, 7.5706 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, 137, 62) }
```


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

```
.border{ border-color:rgb(16, 137, 62) }
```

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

Here you see how a box with a 4 pixel rgb(16, 137, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 137, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 137, 62);  
box-shadow:4px 4px 4px 4px rgb(16, 137,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0288, 18.3493, 7.5706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 137, 62) }
```

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

```
.background{ background-color: rgb(16, 137,  
62) }
```

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