

Converting Colors

XYZ(10.8816, 20.0391, 7.2137)

Have a look what the booklet for
XYZ(10.8816, 20.0391, 7.2137)
contains.

XYZ(10.9143, 20.1225, 7.1797)	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(10.9143, 20.1225,
7.1797)**

Conversions

Conversions Part 1

Format	Color
Hex	178F39
RGB	23, 143, 57
RGB Percent	9%, 56%, 22%
CMY	0.9098, 0.4392, 0.7765
CMYK	0.84, 0.00, 0.60, 0.44
HSL	137°, 72%, 33%
HSV	137°, 84%, 56%
XYZ	10.9143, 20.1225, 7.1797
YIQ	97.3160, -43.9140, -52.1860

Conversions

Conversions Part 2

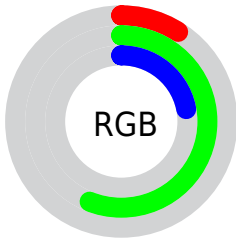
Format	Color
R_{YB}	23, 117, 143
Decimal	1543993
CIE _{Lab}	51.98, -49.97, 36.40
CIE _{LCh}	52, 61.821, 143.930
Yxy	20.1225, 0.2856, 0.5265
Android (android.graphics.Color)	4279734073 (0xFF178F39)
YUV	97.3160, -19.8758, -65.1751
Hunter-Lab	44.8581, -35.0714, 21.9111

Details

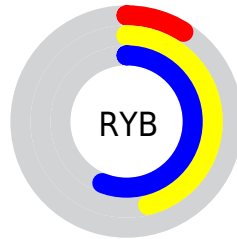
The XYZ color **10.9143, 20.1225, 7.1797** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.3948, 7.5568, 15.1678**, and the grayscale version is **11.4956, 12.0943, 13.1707**.

A 20% lighter version of the original color is **27.1623, 43.6739, 20.9082**, and **3.7685, 7.4931, 1.3913** is the 20% darker color. If you saturate the color by 10%, you get **10.4399, 19.9051, 5.9553**, and if you desaturate by 10%, it is **11.6173, 20.4529, 8.6852**.

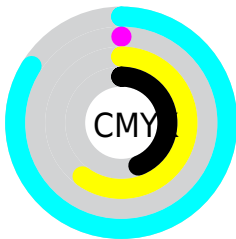
Distribution



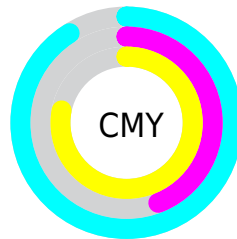
- Red (9%)
- Green (56%)
- Blue (22%)



- Red (9%)
- Yellow (46%)
- Blue (56%)



- Cyan (84%)
- Magenta (0%)
- Yellow (60%)
- Black (44%)



- Cyan (91%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9143, 20.1225, 7.1797 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 10.9143, 20.1225, 7.1797 by changing the saturation by 10% instead.

■ 10.9143, 20.1225,
7.1797

■ 10.9143, 20.1225,
7.1797

190.9991,
252.5775, 178.8358

■ 6.0761, 12.4841,
3.4946

■ 27.1359, 43.6225,
20.8528

■ 2.9325, 7.0743,
1.3524

■ 39.2501, 60.2528,
31.6779

■ 1.1182, 3.5086,
0.1042

■ 54.5203, 80.6493,
45.7201

■ 0.0402, 1.4027,
0.0000

■ 73.3119, 105.1964,
63.3978

■ 0.0000, 0.2187,
0.0000

■ 95.9902, 134.2783,
85.1297

■ 0.0000, 0.0000,
0.0000

■ 122.9206,

168.2795, 111.3344

154.4684,
207.5845, 142.4302

■ 10.9143, 20.1225,
7.1797

■ 10.9143, 20.1225,
7.1797

■ 10.4399, 19.9051,
5.9553

■ 11.6173, 20.4529,
8.6852

■ 10.2148, 19.8025,
5.3381

■ 12.5758, 20.9081,
10.4868

■ 13.8139, 21.5009,
12.5998

■ 15.3525, 22.2417,
15.0381

■ 17.2103, 23.1399,
17.8149

■ 19.4044, 24.2041,
20.9424

■ 21.9509, 25.4422,
24.4324

■ 24.8647, 26.8619,
28.2961

■ 28.1598, 28.4699,
32.5441

Harmonies

Analogous

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



14.6236, 20.1225, 3.0427



10.9143, 20.1225, 7.1797



9.4365, 20.1225, 18.4442

Triad

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



10.9143, 20.1225, 7.1797



17.8740, 20.1225, 77.6339



32.4629, 20.1225, 10.6409

Complementary

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



10.9143, 20.1225, 7.1797



14.3948, 7.5568, 15.1678

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.



33.8668, 20.1225, 25.7848



10.9143, 20.1225, 7.1797



24.4686, 20.1225, 71.3373

Square

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



10.9143, 20.1225, 7.1797



12.8467, 20.1225, 63.5823



30.6752, 20.1225, 49.3203



27.1760, 20.1225, 4.1357

Rectangle

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



10.9143, 20.1225, 7.1797



9.6176, 20.1225, 31.3613



30.6752, 20.1225, 49.3203



33.4468, 20.1225, 14.5784

Sweetspot

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



10.9148, 20.1233, 7.1802



34.0737, 43.0162, 36.5571



16.2844, 22.9589, 4.3838



7.5219, 9.7229, 7.9704



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.9148, 20.1233, 7.1802



18.2273, 35.4358, 9.2167



13.3872, 21.1123, 20.1997



5.4018, 6.0529, 6.0818



9.0396, 17.5117, 4.7624



0.0949, 0.1708, 0.0902

Inverse Universe

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



14.3948, 7.5568, 15.1678



24.5478, 12.1625, 23.3907



12.1889, 6.6744, 3.5516



5.5620, 5.4853, 6.4574



12.1667, 6.0237, 11.7953



0.1258, 0.0614, 0.1626

Previews

White Background



This preview shows how the XYZ color 10.9143, 20.1225, 7.1797 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 10.9143, 20.1225, 7.1797 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 10.9143, 20.1225, 7.1797

Background



This preview shows how black text looks on a background with the XYZ color 10.9143, 20.1225, 7.1797.



This preview shows how white text looks on a background with the XYZ color 10.9143, 20.1225,

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

10.9143, 20.1225, 7.1797

Protanopia

17.9970, 19.7233, 5.9904

Deuteranopia

20.0492, 19.6721, 7.5909



Tritanopia

15.4994, 20.0552, 29.8422

Trichromacy



Original Color

10.9143, 20.1225, 7.1797



Protanomaly

13.4491, 18.7091, 6.2705



Deuteranomaly

14.0121, 18.2017, 7.1896



Tritanomaly

13.0986, 19.6879, 18.7326

Monochromacy



Original Color

10.9143, 20.1225, 7.1797



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

10.0661, 13.9459, 10.1439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9143, 20.1225, 7.1797 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(23, 143, 57)` looks like.

```
.text, #text, p{  
    color:rgb(23, 143, 57)  
}
```

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(23, 143, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 143, 57) }
```

Border

The CSS property to change the border of an element to XYZ 10.9143, 20.1225, 7.1797 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(23, 143, 57) }
```


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

```
.border{ border-color:rgb(23, 143, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 143, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 143, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 143, 57);  
box-shadow:4px 4px 4px 4px rgb(23, 143,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9143, 20.1225, 7.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 143, 57) }
```

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

```
.background{ background-color: rgb(23, 143,  
57) }
```

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