

Converting Colors

XYZ(10.7737, 20.5958, 6.5248)

Have a look what the booklet for
XYZ(10.7737, 20.5958, 6.5248)
contains.

XYZ(10.7229, 20.4898, 6.5217)	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(10.7229, 20.4898,
6.5217)**

Conversions

Conversions Part 1

Format	Color
Hex	009133
RGB	0, 145, 51
RGB Percent	0%, 57%, 20%
CMY	1.0000, 0.4314, 0.8000
CMYK	1.00, 0.00, 0.65, 0.43
HSL	141°, 100%, 28%
HSV	141°, 100%, 57%
XYZ	10.7229, 20.4898, 6.5217
YIQ	90.9290, -56.2460, -59.9740

Conversions

Conversions Part 2

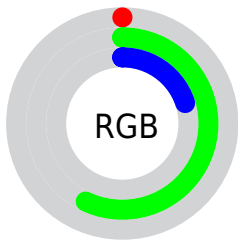
Format	Color
RYB	0, 107, 145
Decimal	37171
CIELab	52.39, -53.17, 39.66
CIELCh	52, 66.330, 143.284
Yxy	20.4898, 0.2842, 0.5430
Android (android.graphics.Color)	4278227251 (0xFF009133)
YUV	90.9290, -19.6850, -79.7447
Hunter-Lab	45.2657, -36.9304, 23.1437

Details

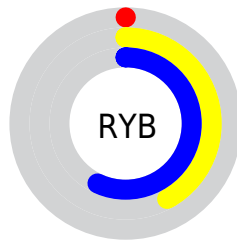
The XYZ color **10.7229, 20.4898, 6.5217** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.6979, 6.8281, 11.1857**, and the grayscale version is **9.9806, 10.5004, 11.4349**.

A 20% lighter version of the original color is **26.7496, 44.1794, 19.4296**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **10.7234, 20.4906, 6.5222**, and if you desaturate by 10%, it is **11.1411, 20.6795, 7.7353**.

Distribution



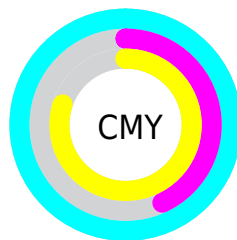
- Red (0%)
- Green (57%)
- Blue (20%)



- Red (0%)
- Yellow (42%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7229, 20.4898, 6.5217 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 10.7229, 20.4898, 6.5217 by changing the saturation by 10% instead.


 10.7229, 20.4898,
6.5217


 10.7229, 20.4898,
6.5217


189.7043,
254.5545, 173.1053


 5.9467, 12.7516,
3.0910


 26.7841, 44.2369,
19.5005


 2.8531, 7.2577,
1.1413


 38.7999, 61.0145,
29.8857


 1.0765, 3.6238,
0.0000

 53.9596, 81.5740,
43.4261

 0.0054, 1.4654,
0.0000

 72.6286, 106.2999,
60.5403

 0.0000, 0.2642,
0.0000

 95.1722, 135.5765,
81.6467

 0.0000, 0.0000,
0.0000

 121.9558,

169.7882, 107.1640

153.3447,
209.3194, 137.5107

■ 10.7229, 20.4898,
6.5217

■ 10.7229, 20.4898,
6.5217

■ 10.7234, 20.4906,
6.5222

■ 11.1411, 20.6795,
7.7353

■ 11.7318, 20.9525,
9.1876

■ 12.5619, 21.3436,
10.8935

■ 13.6573, 21.8658,
12.8646

■ 15.0405, 22.5306,
15.1120

■ 16.7315, 23.3479,
17.6460

■ 18.7483, 24.3271,
20.4763

■ 21.1075, 25.4763,
23.6122

■ 23.8247, 26.8035,
27.0627

Harmonies

Analogous

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



14.7267, 20.4898, 2.5179



10.7229, 20.4898, 6.5217



9.1187, 20.4898, 18.1899

Triad

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



10.7229, 20.4898, 6.5217



17.9775, 20.4898, 84.4861



34.2193, 20.4898, 10.4909

Complementary

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



10.7229, 20.4898, 6.5217



13.6979, 6.8281, 11.1857

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.



35.6670, 20.4898, 27.0094



10.7229, 20.4898, 6.5217



25.1477, 20.4898, 77.8457

Square

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



10.7229, 20.4898, 6.5217



12.6250, 20.4898, 68.1487



32.0290, 20.4898, 53.2397



28.4397, 20.4898, 3.6926

Rectangle

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



10.7229, 20.4898, 6.5217



9.2774, 20.4898, 32.1279



32.0290, 20.4898, 53.2397



35.2769, 20.4898, 14.7285

Sweetspot

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



10.7234, 20.4906, 6.5222



33.3306, 43.4461, 36.3357



14.7678, 22.6446, 3.5925



7.1012, 9.5127, 7.6495



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.



10.7234, 20.4906, 6.5222



19.1275, 36.6640, 11.2807



13.7168, 21.6880, 22.2850



5.4163, 6.0588, 6.1583



9.2089, 17.5794, 5.6543



0.0978, 0.1720, 0.1053

Inverse Universe

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



13.6979, 6.8281, 11.1857



24.4451, 12.1938, 19.5842



11.8199, 6.0770, 1.2965



5.5468, 5.4792, 6.3774



11.7613, 5.8615, 9.6602



0.1229, 0.0602, 0.1476

Previews

White Background



This preview shows how the XYZ color 10.7229, 20.4898, 6.5217 looks on a white background.

Color Contrast Check

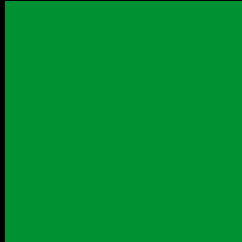
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7229, 20.4898, 6.5217 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 10.7229, 20.4898, 6.5217

Background



This preview shows how black text looks on a background with the XYZ color 10.7229, 20.4898, 6.5217.



This preview shows how white text looks on a background with the XYZ color 10.7229, 20.4898,

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

10.7229, 20.4898, 6.5217

Protanopia

18.4547, 20.3457, 5.4371

Deuteranopia

20.4047, 20.0449, 6.9313



Tritanopia

15.8155, 20.6144, 30.7492

Trichromacy



Original Color

10.7229, 20.4898, 6.5217



Protanomaly

12.7889, 18.7825, 5.6407



Deuteranomaly

13.3627, 18.2653, 6.5626



Tritanomaly

12.9202, 20.0284, 18.5141

Monochromacy



Original Color

10.7229, 20.4898, 6.5217



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.7339, 12.7902, 8.8459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7229, 20.4898, 6.5217 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(0, 145, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 51)  
}
```

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(0, 145, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 51) }
```

Border

The CSS property to change the border of an element to XYZ 10.7229, 20.4898, 6.5217 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(0, 145, 51) }
```


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

```
.border{ border-color:rgb(0, 145, 51) }
```

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

Here you see how a box with a 4 pixel rgb(0, 145, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 145, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7229, 20.4898, 6.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 51) }
```

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

```
.background{ background-color: rgb(0, 145,  
51) }
```

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