

Converting Colors

XYZ(10.7476, 20.8091, 4.1708)

Have a look what the booklet for
XYZ(10.7476, 20.8091, 4.1708)
contains.

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Color

**XYZ(10.7235, 20.7713,
4.1536)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 159215 |
| RGB | 21, 146, 21 |
| RGB Percent | 8%, 57%, 8% |
| CMY | 0.9176, 0.4274, 0.9176 |
| CMYK | 0.86, 0.00, 0.86, 0.43 |
| HSL | 120°, 75%, 33% |
| HSV | 120°, 86%, 57% |
| XYZ | 10.7235, 20.7713, 4.1536 |
| YIQ | 94.3750, -34.3750, -65.3750 |

Conversions

Conversions Part 2

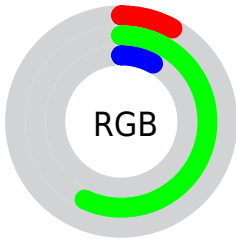
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 21, 146, 146 |
| Decimal | 1413653 |
| CIE Lab | 52.70, -54.51, 51.12 |
| CIE LCh | 53, 74.730, 136.839 |
| Yxy | 20.7713, 0.3008, 0.5827 |
| Android (android.graphics.Color) | 4279603733 (0xFF159215) |
| YUV | 94.3750, -36.1739, -64.3499 |
| Hunter-Lab | 45.5755, -37.7578, 26.4994 |

Details

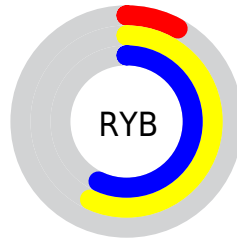
The XYZ color **10.7235, 20.7713, 4.1536** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **17.3106, 8.7228, 27.9636**, and the grayscale version is **10.8179, 11.3813, 12.3943**.

A 20% lighter version of the original color is **26.7760, 44.6505, 14.4149**, and **4.0027, 8.0054, 1.3342** is the 20% darker color. If you saturate the color by 10%, you get **10.3945, 20.6139, 3.6151**, and if you desaturate by 10%, it is **11.3055, 21.0515, 5.1053**.

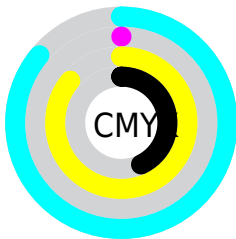
Distribution



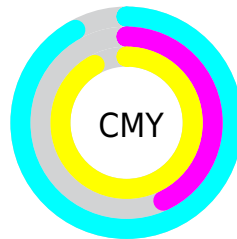
- Red (8%)
- Green (57%)
- Blue (8%)



- Red (8%)
- Yellow (57%)
- Blue (57%)



- Cyan (86%)
- Magenta (0%)
- Yellow (86%)
- Black (43%)



- Cyan (92%)
- Magenta (43%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7235, 20.7713, 4.1536 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 10.7235, 20.7713, 4.1536 by changing the saturation by 10% instead.

■ 10.7235, 20.7713,
4.1536

■ 10.7235, 20.7713,
4.1536

189.7084,
256.0606, 149.9176

■ 5.9471, 12.9569,
1.7100

■ 26.7852, 44.7066,
14.3625

■ 2.8533, 7.3989,
0.3676

■ 38.8013, 61.5963,
22.9648

■ 1.0767, 3.7128,
0.0000

■ 53.9614, 82.2800,
34.4572

■ 0.0055, 1.5142,
0.0000

■ 72.6307, 107.1419,
49.2580


■ 0.0000, 0.2987,
0.0000


■ 95.1747, 136.5665,
67.7860


■ 0.0000, 0.0000,
0.0000


■ 121.9588,


170.9383, 90.4595


 153.3482,
210.6415, 117.6972


 10.7235, 20.7713,
4.1536


 10.7235, 20.7713,
4.1536

 10.3945, 20.6139,
3.6151


 11.3055, 21.0515,
5.1053

 10.2793, 20.5586,
3.4267

 12.1848, 21.4739,
6.5437

 13.3947, 22.0550,
8.5227

 14.9634, 22.8085,
11.0886

 16.9162, 23.7466,
14.2828

■ 19.2762, 24.8802,
18.1430

■ 22.0646, 26.2196,
22.7039

■ 25.3011, 27.7743,
27.9976

■ 29.0043, 29.5531,
34.0547

Harmonies

Analogous

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



15.7214, 20.7713, 1.4059



10.7235, 20.7713, 4.1536



8.4716, 20.7713, 14.2026

Triad

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



10.7235, 20.7713, 4.1536



16.5310, 20.7713, 95.1514



37.7826, 20.7713, 12.3443

Complementary

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



10.7235, 20.7713, 4.1536



17.3106, 8.7228, 27.9636

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.



38.1666, 20.7713, 33.8306



10.7235, 20.7713, 4.1536



24.3966, 20.7713, 93.3104

Square

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



10.7235, 20.7713, 4.1536



11.1814, 20.7713, 70.4162



32.7756, 20.7713, 66.3550



31.8338, 20.7713, 3.5571

Rectangle

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



10.7235, 20.7713, 4.1536



8.3098, 20.7713, 28.1063



32.7756, 20.7713, 66.3550



38.6126, 20.7713, 17.8924

Sweetspot

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



10.7240, 20.7722, 4.1541



33.5946, 43.6932, 31.3353



22.2692, 26.7239, 4.6940



7.1777, 9.5779, 6.4871



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.



10.7240, 20.7722, 4.1541



18.1332, 36.2663, 6.0447



12.1693, 21.3503, 11.7652



5.7296, 6.4684, 6.1871



9.0455, 18.0910, 3.0154



0.1107, 0.2214, 0.0369

Inverse Universe

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



17.3106, 8.7228, 27.9636



30.0635, 14.4411, 49.1704



13.7035, 7.2799, 8.9684



6.0353, 5.9092, 7.2922



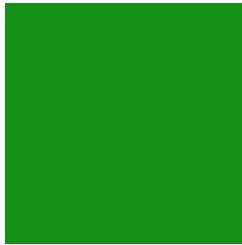
14.9968, 7.2038, 24.5281



0.1836, 0.0882, 0.3002

Previews

White Background



This preview shows how the XYZ color 10.7235, 20.7713, 4.1536 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 10.7235, 20.7713, 4.1536 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 10.7235, 20.7713, 4.1536

Background



This preview shows how black text looks on a background with the XYZ color 10.7235, 20.7713, 4.1536.



This preview shows how white text looks on a background with the XYZ color 10.7235, 20.7713,

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

10.7235, 20.7713, 4.1536

Protanopia

18.4043, 20.3644, 3.4127

Deuteranopia

20.8354, 20.4953, 4.6081



Tritanopia

16.1850, 20.8049, 30.7665

Trichromacy



Original Color

10.7235, 20.7713, 4.1536



Protanomaly

13.4185, 19.3569, 3.5593



Deuteranomaly

14.2819, 18.9876, 4.2086



Tritanomaly

12.9460, 20.3241, 15.5525

Monochromacy



Original Color

10.7235, 20.7713, 4.1536



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.2330, 13.4088, 7.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7235, 20.7713, 4.1536 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(21, 146, 21)` looks like.

```
.text, #text, p{  
    color:rgb(21, 146, 21)  
}
```

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(21, 146, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 146, 21) }
```

Border

The CSS property to change the border of an element to XYZ 10.7235, 20.7713, 4.1536 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(21, 146, 21) }
```


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

```
.border{ border-color:rgb(21, 146, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 146, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 146, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 146, 21);  
box-shadow:4px 4px 4px 4px rgb(21, 146,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7235, 20.7713, 4.1536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 146, 21) }
```

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

```
.background{ background-color: rgb(21, 146,  
21) }
```

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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