

Converting Colors

XYZ(10.8259, 18.3195, 10.7724)

Have a look what the booklet for
XYZ(10.8259, 18.3195, 10.7724)
contains.

XYZ(10.7764, 18.2454, 10.7383)	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(10.7764, 18.2454,
10.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	218751
RGB	33, 135, 81
RGB Percent	13%, 53%, 32%
CMY	0.8706, 0.4706, 0.6823
CMYK	0.76, 0.00, 0.40, 0.47
HSL	148°, 61%, 33%
HSV	148°, 76%, 53%
XYZ	10.7764, 18.2454, 10.7383
YIQ	98.3460, -43.4580, -38.4180

Conversions

Conversions Part 2

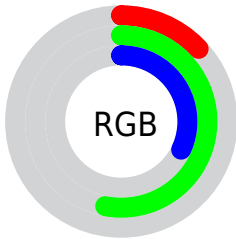
Format	Color
R_{YB}	33, 102, 135
Decimal	2197329
CIE _{Lab}	49.79, -41.59, 21.03
CIE _{LCh}	50, 46.604, 153.174
Yxy	18.2454, 0.2710, 0.4589
Android (android.graphics.Color)	4280387409 (0xFF218751)
YUV	98.3460, -8.5516, -57.3084
Hunter-Lab	42.7146, -29.7172, 14.9950

Details

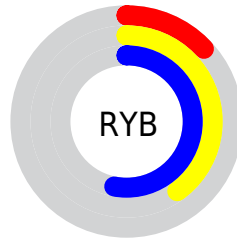
The XYZ color **10.7764, 18.2454, 10.7383** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.2565, 6.9271, 9.7087**, and the grayscale version is **11.7246, 12.3352, 13.4331**.

A 20% lighter version of the original color is **26.8085, 40.3610, 27.8502**, and **3.4737, 6.4620, 2.6543** is the 20% darker color. If you saturate the color by 10%, you get **10.1739, 17.9647, 9.3841**, and if you desaturate by 10%, it is **11.5815, 18.6283, 12.2501**.

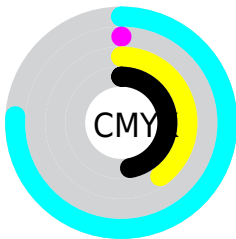
Distribution



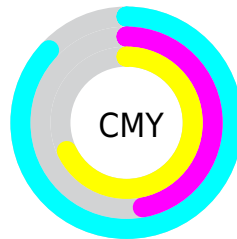
- Red (13%)
- Green (53%)
- Blue (32%)



- Red (13%)
- Yellow (40%)
- Blue (53%)



- Cyan (76%)
- Magenta (0%)
- Yellow (40%)
- Black (47%)





- Cyan (87%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7764, 18.2454, 10.7383 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 10.7764, 18.2454, 10.7383 by changing the saturation by 10% instead.


 10.7764, 18.2454,
10.7383


 10.7764, 18.2454,
10.7383


190.0672,
242.2506, 206.5358


 5.9829, 11.1263,
5.7792


 26.8826, 40.4550,
27.8044


 2.8752, 6.1519,
2.6447

 38.9259, 56.3144,
40.7485


 1.0881, 2.9376,
0.9154

 54.1166, 75.8559,
57.1914

 0.0151, 1.0993,
0.0000

 72.8199, 99.4641,
77.5515

 0.0000, 0.0000,
0.0000

 95.4013, 127.5232,
102.2475

 122.2261,

160.4178, 131.6978

153.6596,
198.5321, 166.3211

■ 10.7764, 18.2454,
10.7383

■ 10.7764, 18.2454,
10.7383

■ 10.1739, 17.9647,
9.3841

■ 11.5815, 18.6283,
12.2501

■ 9.7438, 17.7691,
8.1804

■ 12.6070, 19.1210,
13.9234

■ 9.5764, 17.6935,
7.6910

■ 13.8706, 19.7330,
15.7638

■ 15.3874, 20.4720,
17.7758

■ 17.1713, 21.3450,
19.9640

■ 19.2352, 22.3587,
22.3327

■ 21.5910, 23.5191,
24.8861

■ 24.2501, 24.8320,
27.6282

■ 27.2232, 26.3028,
30.5628

Harmonies

Analogous

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



13.0716, 18.2454, 5.6113



10.7764, 18.2454, 10.7383



10.1293, 18.2454, 21.2528

Triad

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



10.7764, 18.2454, 10.7383



17.8194, 18.2454, 55.7140



25.5273, 18.2454, 9.2544

Complementary

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



10.7764, 18.2454, 10.7383



12.2565, 6.9271, 9.7087

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.



27.3555, 18.2454, 18.5412



10.7764, 18.2454, 10.7383



22.4531, 18.2454, 48.2164

Square

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



10.7764, 18.2454, 10.7383



13.7624, 18.2454, 50.7062



26.1447, 18.2454, 33.0915



21.4933, 18.2454, 5.0477

Rectangle

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



10.7764, 18.2454, 10.7383



10.6096, 18.2454, 31.1434



26.1447, 18.2454, 33.0915



26.4487, 18.2454, 11.7045

Sweetspot

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



10.7769, 18.2461, 10.7387



31.4614, 38.5726, 36.5887



12.9071, 19.4841, 4.5196



7.0297, 8.8072, 8.1705



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.



10.7769, 18.2461, 10.7387



17.6226, 31.8982, 15.1668



13.4293, 19.3071, 24.7063



4.7007, 5.2385, 5.4353



8.8369, 16.3176, 7.1268



0.0343, 0.0580, 0.0438

Inverse Universe

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



12.2565, 6.9271, 9.7087



20.4056, 10.5218, 13.1658



10.8606, 6.3688, 2.3584



4.7679, 4.7268, 5.3901



10.2832, 5.1776, 6.0635



0.0393, 0.0194, 0.0404

Previews

White Background



This preview shows how the XYZ color 10.7764, 18.2454, 10.7383 looks on a white background.

Color Contrast Check

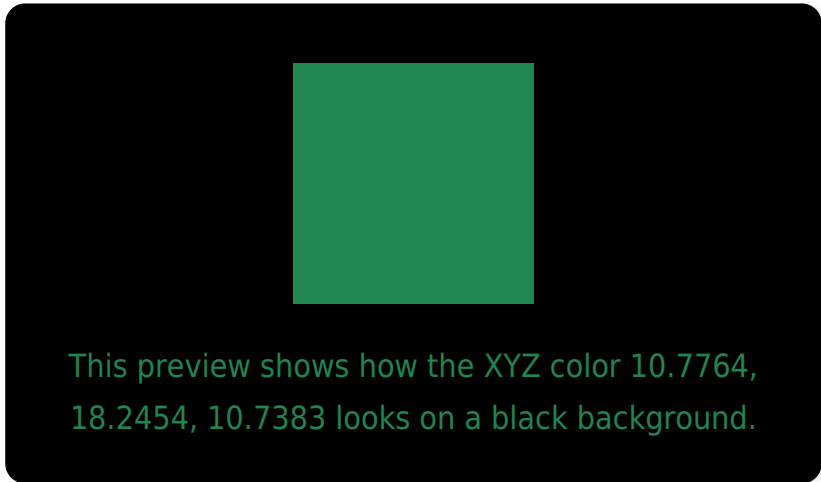
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.7764, 18.2454, 10.7383

Background



This preview shows how black text looks on a background with the XYZ color 10.7764, 18.2454, 10.7383.



This preview shows how white text looks on a background with the XYZ color 10.7764, 18.2454,

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

10.7764, 18.2454, 10.7383

Protanopia

16.6166, 18.0405, 9.0849

Deuteranopia

18.2323, 17.9711, 11.3119



Tritanopia

14.0667, 18.1723, 27.1923

Trichromacy



Original Color

10.7764, 18.2454, 10.7383



Protanomaly

13.0614, 17.2783, 9.6678



Deuteranomaly

13.6931, 17.0242, 10.9518



Tritanomaly

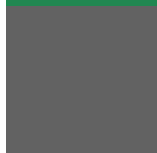
12.6052, 18.1690, 19.9821

Monochromacy



Original Color

10.7764, 18.2454, 10.7383



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.4402, 13.5974, 12.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7764, 18.2454, 10.7383 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(33, 135, 81)` looks like.

```
.text, #text, p{  
    color:rgb(33, 135, 81)  
}
```

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(33, 135, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 135, 81) }
```

Border

The CSS property to change the border of an element to XYZ 10.7764, 18.2454, 10.7383 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(33, 135, 81) }
```


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

```
.border{ border-color:rgb(33, 135, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 135, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 135, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 135, 81);  
box-shadow:4px 4px 4px 4px rgb(33, 135,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7764, 18.2454, 10.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 135, 81) }
```

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

```
.background{ background-color: rgb(33, 135,  
81) }
```

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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