

Converting Colors

XYZ(13.7827, 15.9706, 20.7686)

Have a look what the booklet for
XYZ(13.7827, 15.9706, 20.7686)
contains.

| | |
|--|----|
| XYZ(13.7827, 15.9706, 20.7686) | 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(13.7827, 15.9706,
20.7686)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 58747A |
| RGB | 88, 116, 122 |
| RGB Percent | 35%, 45%, 48% |
| CMY | 0.6549, 0.5451, 0.5216 |
| CMYK | 0.28, 0.05, 0.00, 0.52 |
| HSL | 191°, 16%, 41% |
| HSV | 191°, 28%, 48% |
| XYZ | 13.7827, 15.9706, 20.7686 |
| YIQ | 108.3120, -18.6140, -4.0700 |

Conversions

Conversions Part 2

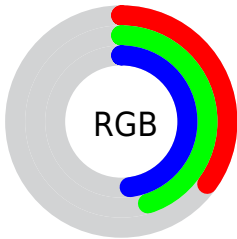
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 88, 103, 122 |
| Decimal | 5796986 |
| CIE _{Lab} | 46.94, -8.59, -6.62 |
| CIE _{LCh} | 47, 10.844, 217.608 |
| Yxy | 15.9706, 0.2728, 0.3161 |
| Android (android.graphics.Color) | 4283987066 (0xFF58747A) |
| YUV | 108.3120, 6.7482, -17.8136 |
| Hunter-Lab | 39.9632, -8.3738, -2.8383 |

Details

The XYZ color **13.7827, 15.9706, 20.7686** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7903, 12.8476, 10.9858**, and the grayscale version is **14.3272, 15.0733, 16.4148**.

A 20% lighter version of the original color is **32.2901, 36.5502, 45.3974**, and **4.1842, 5.0867, 7.0646** is the 20% darker color. If you saturate the color by 10%, you get **12.4780, 14.9343, 20.6376**, and if you desaturate by 10%, it is **15.2874, 17.1193, 20.9113**.

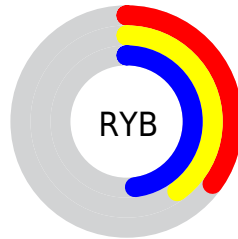
Distribution



Red (35%)

Green (45%)

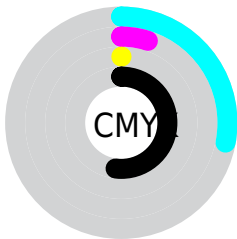
Blue (48%)



Red (35%)

Yellow (40%)

Blue (48%)

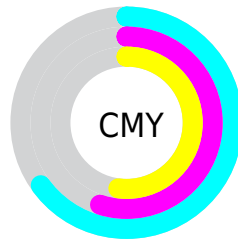


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (52%)



Cyan (65%)

Magenta (55%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7827, 15.9706, 20.7686 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 13.7827, 15.9706, 20.7686 by changing the saturation by 10% instead.

■ 13.7827, 15.9706,
20.7686

■ 13.7827, 15.9706,
20.7686

■ 209.4126,
229.1682, 268.7867

■ 8.0504, 9.5034,
12.7654

■ 32.2925, 36.5472,
45.5779

■ 4.1793, 5.0709,
7.1384

■ 45.8006, 51.4253,
63.2210

■ 1.8040, 2.2889,
3.4690

■ 62.6314, 69.8758,
84.9145

■ 0.5201, 0.7678,
1.3388

■ 83.1502, 92.2831,
111.0770

■ 0.0000, 0.0000,
0.0933

■ 107.7224,
119.0316, 142.1268

■ 0.0000, 0.0000,
0.0000

136.7132,

150.5057, 178.4827

170.4882,
187.0897, 220.5632

■ 13.7827, 15.9706,
20.7686

■ 13.7827, 15.9706,
20.7686

■ 12.4780, 14.9343,
20.6376

■ 15.2874, 17.1193,
20.9113

■ 11.3622, 14.0035,
20.5167

■ 16.9997, 18.3833,
21.0650

■ 10.4254, 13.1733,
20.4059

■ 18.9284, 19.7674,
21.2305

■ 9.6559, 12.4378,
20.3045

■ 21.0815, 21.2760,
21.4082

■ 9.0410, 11.7903,
20.2119

■ 23.4666, 22.9129,
21.5985

■ 8.5656, 11.2230,
20.1275

■ 26.0909, 24.6819,
21.8016

■ 8.1928, 10.7167,
20.0494

■ 28.9611, 26.5866,
22.0180

■ 8.1159, 10.6111,
20.0331

■ 32.0840, 28.6304,
22.2479

■ 35.4658, 30.8167,
22.4916

Harmonies

Analogous

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



13.4458, 15.9706, 18.0886



13.7827, 15.9706, 20.7686



14.4966, 15.9706, 22.6685

Triad

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



13.7827, 15.9706, 20.7686



16.9256, 15.9706, 19.4518



14.9399, 15.9706, 12.7169

Complementary

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



13.7827, 15.9706, 20.7686



13.7903, 12.8476, 10.9858

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.



15.8836, 15.9706, 13.0008



13.7827, 15.9706, 20.7686



17.0563, 15.9706, 16.7082

Square

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



13.7827, 15.9706, 20.7686



16.3177, 15.9706, 21.8548



16.6678, 15.9706, 14.3980



14.0956, 15.9706, 13.5776

Rectangle

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



13.7827, 15.9706, 20.7686



15.1037, 15.9706, 23.1353



16.6678, 15.9706, 14.3980



15.2557, 15.9706, 12.6833

Sweetspot

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



13.7832, 15.9712, 20.7690



29.8035, 32.2658, 37.0500



12.9898, 16.7963, 13.0690



6.7222, 7.3103, 8.4634



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.7832, 15.9712, 20.7690



22.8462, 26.9935, 36.3990



12.0311, 12.4671, 20.1849



4.0498, 4.3979, 5.0786



8.5393, 11.1610, 21.0895



40.1761, 52.1248, 100.4134

Inverse Universe

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



14.6685, 12.3783, 18.1398



24.6832, 19.7389, 30.8989



15.4359, 16.1387, 11.5343



4.1256, 4.0660, 4.8590



10.8936, 5.3336, 13.2623



51.6822, 25.3292, 61.7816

Previews

White Background



This preview shows how the XYZ color 13.7827, 15.9706, 20.7686 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 13.7827, 15.9706, 20.7686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

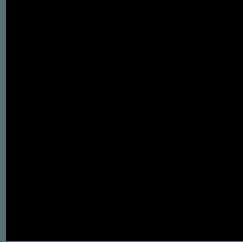
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7827, 15.9706, 20.7686

Background



This preview shows how black text looks on a background with the XYZ color 13.7827, 15.9706, 20.7686.



This preview shows how white text looks on a background with the XYZ color 13.7827, 15.9706,

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

13.7827, 15.9706, 20.7686

Protanopia

15.4015, 15.8394, 19.3851

Deuteranopia

16.2031, 15.8934, 21.2825



Tritanopia

14.0669, 16.0953, 21.7673

Trichromacy



Original Color

13.7827, 15.9706, 20.7686

Protanomaly

14.7175, 15.8038, 19.7275

Deuteranomaly

15.2034, 15.8631, 20.9995

Tritanomaly

14.0033, 16.0699, 21.4325

Monochromacy



Original Color

13.7827, 15.9706, 20.7686

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0319, 15.3278, 17.8418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7827, 15.9706, 20.7686 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(88, 116, 122) looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 122)  
}
```

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(88, 116, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.7827, 15.9706, 20.7686 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(88, 116, 122) }
```


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

```
.border{ border-color:rgb(88, 116, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 122);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7827, 15.9706, 20.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 122) }
```

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

```
.background{ background-color: rgb(88, 116,  
122) }
```

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