

Converting Colors

XYZ(18.0860, 20.7088, 20.8121)

Have a look what the booklet for
XYZ(18.0860, 20.7088, 20.8121)
contains.

XYZ(18.1828, 20.8320, 20.8319)	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(18.1828, 20.8320,
20.8319)**

Conversions

Conversions Part 1

Format	Color
Hex	718278
RGB	113, 130, 120
RGB Percent	44%, 51%, 47%
CMY	0.5569, 0.4902, 0.5294
CMYK	0.13, 0.00, 0.08, 0.49
HSL	145°, 7%, 48%
HSV	145°, 13%, 51%
XYZ	18.1828, 20.8320, 20.8319
YIQ	123.7770, -6.9220, -6.7140

Conversions

Conversions Part 2

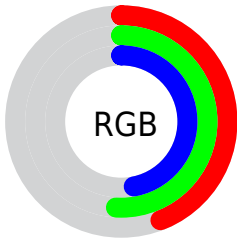
Format	Color
R_{YB}	113, 125, 130
Decimal	7438968
CIE _{Lab}	52.77, -8.30, 3.32
CIE _{LCh}	53, 8.939, 158.223
Yxy	20.8320, 0.3038, 0.3481
Android (android.graphics.Color)	4285629048 (0xFF718278)
YUV	123.7770, -1.8621, -9.4514
Hunter-Lab	45.6421, -8.7632, 4.8884

Details

The XYZ color **18.1828, 20.8320, 20.8319** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6869, 17.9866, 21.2266**, and the grayscale version is **19.0920, 20.0863, 21.8740**.

A 20% lighter version of the original color is **39.8969, 44.8449, 45.5829**, and **6.2921, 7.4766, 7.2424** is the 20% darker color. If you saturate the color by 10%, you get **16.1829, 19.8531, 18.4116**, and if you desaturate by 10%, it is **20.4605, 21.9510, 23.4596**.

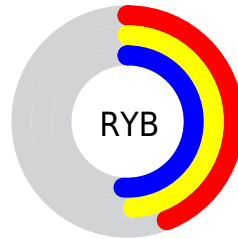
Distribution



Red (44%)

Green (51%)

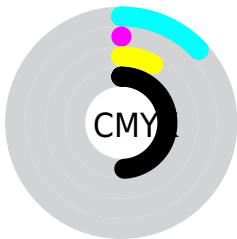
Blue (47%)



Red (44%)

Yellow (49%)

Blue (51%)

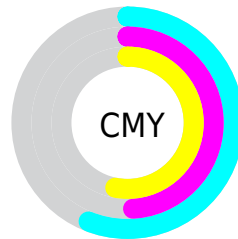


Cyan (13%)

Magenta (0%)

Yellow (8%)

Black (49%)



Cyan (56%)

Magenta (49%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1828, 20.8320, 20.8319 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 18.1828, 20.8320, 20.8319 by changing the saturation by 10% instead.

■ 18.1828, 20.8320,
20.8319

■ 18.1828, 20.8320,
20.8319

234.9251,
256.3843, 269.1354

■ 11.1818, 13.0013,
12.8111

■ 39.8762, 44.8078,
45.6848

■ 6.2574, 7.4294,
7.1694

■ 55.2993, 61.7216,
63.3539

■ 3.0444, 3.7321,
3.4882

■ 74.2605, 82.4319,
85.0763

■ 1.1773, 1.5248,
1.3490

■ 97.1251, 107.3230,
111.2705

■ 0.0883, 0.3061,
0.1015

124.2586,
136.7795, 142.3549

■ 0.0000, 0.0000,
0.0000

156.0261,

171.1856, 178.7482

192.7932,
210.9257, 220.8688

■ 18.1828, 20.8320,
20.8319

■ 18.1828, 20.8320,
20.8319

■ 16.1829, 19.8531,
18.4116

■ 20.4605, 21.9510,
23.4596

■ 14.4482, 19.0061,
16.1924

■ 23.0248, 23.2127,
26.2982

■ 12.9674, 18.2860,
14.1694

■ 25.8859, 24.6231,
29.3529

■ 11.7279, 17.6863,
12.3373

■ 29.0533, 26.1867,
32.6280

■ 10.7158, 17.2000,
10.6904

■ 32.5358, 27.9082,
36.1281

■ 9.9160, 16.8193,
9.2226

■ 36.3421, 29.7918,
39.8573

■ 9.3110, 16.5355,
7.9276

■ 40.4804, 31.8417,
43.8199

■ 8.8804, 16.3380,
6.7985

■ 44.9585, 34.0619,
48.0198

■ 8.6378, 16.2279,
6.1089

■ 49.7842, 36.4564,
52.4609

Harmonies

Analogous

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



18.7124, 20.8320, 18.8860



18.1828, 20.8320, 20.8319



18.0796, 20.8320, 23.4242

Triad

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



18.1828, 20.8320, 20.8319



20.0575, 20.8320, 28.1485



21.2411, 20.8320, 19.6540

Complementary

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



18.1828, 20.8320, 20.8319



18.6869, 17.9866, 21.2266

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.



21.6266, 20.8320, 21.9566



18.1828, 20.8320, 20.8319



20.9294, 20.8320, 26.9564

Square

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



18.1828, 20.8320, 20.8319



19.1430, 20.8320, 27.7881



21.5108, 20.8320, 24.6396



20.4722, 20.8320, 18.2440

Rectangle

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



18.1828, 20.8320, 20.8319



18.2633, 20.8320, 25.1962



21.5108, 20.8320, 24.6396



21.4209, 20.8320, 20.3418

Sweetspot

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



18.1834, 20.8329, 20.8324



35.6023, 38.4450, 40.8272



19.1610, 21.3842, 18.7407



7.9960, 8.6712, 9.1702



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.1834, 20.8329, 20.8324



30.8111, 36.0936, 35.2460



18.7094, 21.0433, 23.6024



4.3437, 4.8458, 4.9813



8.2851, 15.5606, 5.8743



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.6869, 17.9866, 21.2266



31.8962, 29.9591, 36.0954



18.1889, 17.7874, 18.6042



4.4256, 4.3834, 5.0454



10.0972, 5.0586, 7.1018



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.1828, 20.8320, 20.8319 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 18.1828, 20.8320, 20.8319 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 18.1828, 20.8320, 20.8319

Background



This preview shows how black text looks on a background with the XYZ color 18.1828, 20.8320, 20.8319.



This preview shows how white text looks on a background with the XYZ color 18.1828, 20.8320,

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

18.1828, 20.8320, 20.8319

Protanopia

19.7504, 20.6974, 19.7837

Deuteranopia

21.1198, 20.8132, 21.3166



Tritanopia

19.3793, 20.7267, 27.0240

Trichromacy



Original Color

18.1828, 20.8320, 20.8319

Protanomaly

19.1716, 20.7718, 20.1385

Deuteranomaly

19.9907, 20.7935, 21.0491

Tritanomaly

18.8861, 20.7219, 24.4770

Monochromacy



Original Color

18.1828, 20.8320, 20.8319

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.7817, 20.3448, 21.6759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1828, 20.8320, 20.8319 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(113, 130, 120)` looks like.

```
.text, #text, p{  
    color:rgb(113, 130, 120)  
}
```

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(113, 130, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 130, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.1828, 20.8320, 20.8319 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(113, 130, 120) }
```


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

```
.border{ border-color:rgb(113, 130, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 130, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 130, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 130, 120);  
box-shadow:4px 4px 4px 4px rgb(113, 130,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1828, 20.8320, 20.8319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 130, 120) }
```

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

```
.background{ background-color: rgb(113,  
130, 120) }
```

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