

Converting Colors

XYZ(19.3070, 19.9601, 6.8576)

Have a look what the booklet for
XYZ(19.3070, 19.9601, 6.8576)
contains.

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Color

**XYZ(19.2781, 20.0000,
6.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	91793A
RGB	145, 121, 58
RGB Percent	57%, 47%, 23%
CMY	0.4314, 0.5255, 0.7725
CMYK	0.00, 0.17, 0.60, 0.43
HSL	43°, 43%, 40%
HSV	43°, 60%, 57%
XYZ	19.2781, 20.0000, 6.8473
YIQ	120.9940, 34.5270, -14.5050

Conversions

Conversions Part 2

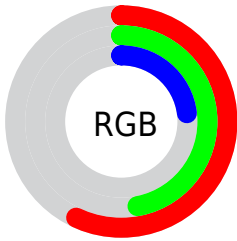
Format	Color
RYB	91, 145, 58
Decimal	9533754
CIELab	51.84, 1.37, 37.43
CIELCh	52, 37.452, 87.902
Yxy	20.0000, 0.4179, 0.4336
Android (android.graphics.Color)	4287723834 (0xFF91793A)
YUV	120.9940, -31.0560, 21.0533
Hunter-Lab	44.7214, -1.3161, 22.2270

Details

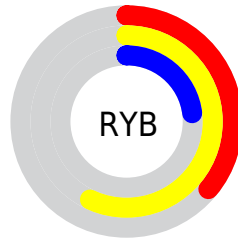
The XYZ color **19.2781, 20.0000, 6.8473** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.8728, 8.9780, 28.0003**, and the grayscale version is **18.2619, 19.2129, 20.9228**.

A 20% lighter version of the original color is **41.6848, 43.3662, 20.0834**, and **6.8455, 7.0601, 1.2604** is the 20% darker color. If you saturate the color by 10%, you get **18.4841, 18.9215, 5.0121**, and if you desaturate by 10%, it is **20.1971, 21.1622, 9.2373**.

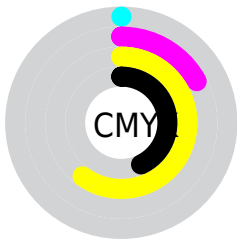
Distribution



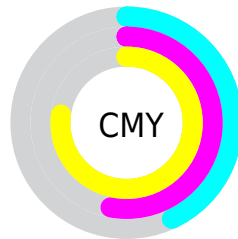
- Red (57%)
- Green (47%)
- Blue (23%)



- Red (36%)
- Yellow (57%)
- Blue (23%)



- Cyan (0%)
- Magenta (17%)
- Yellow (60%)
- Black (43%)



- Cyan (43%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2781, 20.0000, 6.8473 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 19.2781, 20.0000, 6.8473 by changing the saturation by 10% instead.

■ 19.2781, 20.0000,
6.8473

■ 19.2781, 20.0000,
6.8473

240.8885,
251.9151, 175.9713

■ 11.9766, 12.3950,
3.2898

■ 41.7167, 43.4172,
20.1730

■ 6.7998, 7.0133,
1.2444

■ 57.5846, 59.9982,
30.7782

■ 3.3824, 3.4704,
0.0156

■ 77.0386, 80.3400,
44.5698

■ 1.3591, 1.3820,
0.0000

■ 100.4441,
104.8271, 61.9662

■ 0.2268, 0.2034,
0.0000

■ 128.1665,
133.8437, 83.3860

■ 0.0000, 0.0000,
0.0000

■ 160.5712,

167.7743, 109.2478

198.0234,
207.0033, 139.9700

■ 19.2781, 20.0000,
6.8473

■ 19.2781, 20.0000,
6.8473

■ 18.4841, 18.9215,
5.0121

■ 20.1971, 21.1622,
9.2373

■ 17.8045, 17.9199,
3.6830

■ 21.2479, 22.4091,
12.2227

■ 17.2290, 16.9914,
2.8052

■ 22.4383, 23.7447,
15.8417

■ 16.7292, 16.1243,
2.2306

■ 23.7752, 25.1723,
20.1291

■ 16.7292, 16.1242,
2.2306

■ 25.2649, 26.6948,
25.1170

■ 26.9132, 28.3148,
30.8354

■ 28.7258, 30.0349,
37.3127

■ 30.7080, 31.8576,
44.5756

■ 32.8647, 33.7853,
52.6497

Harmonies

Analogous

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



23.1610, 20.0000, 8.4275



19.2781, 20.0000, 6.8473



15.7920, 20.0000, 8.0273

Triad

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



19.2781, 20.0000, 6.8473



13.2572, 20.0000, 33.1062



25.8930, 20.0000, 34.8914

Complementary

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



19.2781, 20.0000, 6.8473



9.8728, 8.9780, 28.0003

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.



22.6365, 20.0000, 45.9895



19.2781, 20.0000, 6.8473



15.3862, 20.0000, 44.7402

Square

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



19.2781, 20.0000, 6.8473



12.6043, 20.0000, 21.0196



18.7432, 20.0000, 50.0853



27.2832, 20.0000, 22.5516

Rectangle

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



19.2781, 20.0000, 6.8473



14.0883, 20.0000, 10.5473



18.7432, 20.0000, 50.0853



24.9607, 20.0000, 39.0272

Sweetspot

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



19.2786, 20.0010, 6.8477



42.9927, 45.5115, 37.4120



14.7380, 9.6651, 9.2019



9.4157, 9.9697, 7.8350



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.



19.2786, 20.0010, 6.8477



32.6539, 33.2424, 8.0438



19.5153, 25.0031, 7.8007



5.7155, 6.0373, 5.7535



14.3717, 13.8751, 1.9207



0.1559, 0.1696, 0.0245

Inverse Universe

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



9.8728, 8.9780, 28.0003



14.2946, 11.7781, 49.4935



9.6725, 6.6422, 27.5600



5.2432, 5.4821, 6.8106



5.0539, 3.0939, 23.3079



0.0648, 0.0626, 0.2283

Previews

White Background



This preview shows how the XYZ color 19.2781, 20.0000, 6.8473 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 19.2781, 20.0000, 6.8473 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 19.2781, 20.0000, 6.8473

Background



This preview shows how black text looks on a background with the XYZ color 19.2781, 20.0000, 6.8473.



This preview shows how white text looks on a background with the XYZ color 19.2781, 20.0000,

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

19.2781, 20.0000, 6.8473

Protanopia

18.3136, 20.0494, 7.0424

Deuteranopia

20.4047, 20.0449, 6.9313



Tritanopia

22.1701, 19.9487, 21.4209

Trichromacy



Original Color

19.2781, 20.0000, 6.8473

Protanomaly

18.6876, 20.0571, 7.0241

Deuteranomaly

19.9639, 19.9934, 6.9446

Tritanomaly

20.8262, 19.9193, 14.5515

Monochromacy



Original Color

19.2781, 20.0000, 6.8473

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2479, 19.3024, 14.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2781, 20.0000, 6.8473 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(145, 121, 58)` looks like.

```
.text, #text, p{  
    color:rgb(145, 121, 58)  
}
```

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(145, 121, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 121, 58) }
```

Border

The CSS property to change the border of an element to XYZ 19.2781, 20.0000, 6.8473 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(145, 121, 58) }
```


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

```
.border{ border-color:rgb(145, 121, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 121, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 121, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 121, 58);  
box-shadow:4px 4px 4px 4px rgb(145, 121,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2781, 20.0000, 6.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 121, 58) }
```

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

```
.background{ background-color: rgb(145,  
121, 58) }
```

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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