

Converting Colors

XYZ(20.3292, 24.3325, 19.8988)

Have a look what the booklet for
XYZ(20.3292, 24.3325, 19.8988)
contains.

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Color

**XYZ(20.2271, 24.2095,
19.8265)**

Conversions

Conversions Part 1

Format	Color
Hex	778D73
RGB	119, 141, 115
RGB Percent	47%, 55%, 45%
CMY	0.5333, 0.4470, 0.5490
CMYK	0.16, 0.00, 0.18, 0.45
HSL	111°, 10%, 50%
HSV	111°, 18%, 55%
XYZ	20.2271, 24.2095, 19.8265
YIQ	131.4580, -4.7660, -12.7500

Conversions

Conversions Part 2

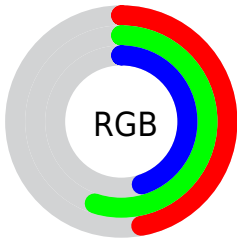
Format	Color
R_{YB}	115, 141, 137
Decimal	7834995
CIE _{Lab}	56.30, -13.11, 11.29
CIE _{LCh}	56, 17.300, 139.261
Yxy	24.2095, 0.3148, 0.3767
Android (android.graphics.Color)	4286025075 (0xFF778D73)
YUV	131.4580, -8.1138, -10.9257
Hunter-Lab	49.2032, -12.7253, 10.5512

Details

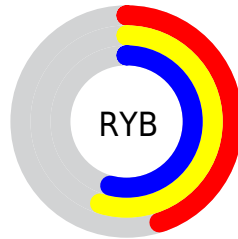
The XYZ color **20.2271, 24.2095, 19.8265** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.2561, 19.5037, 27.8449**, and the grayscale version is **21.7672, 22.9008, 24.9389**.

A 20% lighter version of the original color is **43.2847, 50.4782, 44.0211**, and **7.2800, 9.1895, 6.7002** is the 20% darker color. If you saturate the color by 10%, you get **17.9411, 23.1184, 15.8032**, and if you desaturate by 10%, it is **22.8441, 25.4583, 24.5142**.

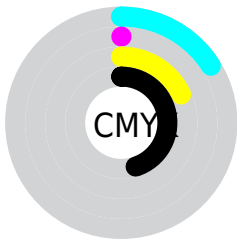
Distribution



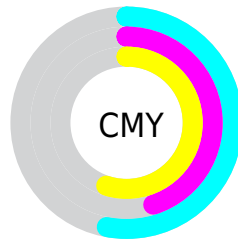
- Red (47%)
- Green (55%)
- Blue (45%)



- Red (45%)
- Yellow (55%)
- Blue (54%)



- Cyan (16%)
- Magenta (0%)
- Yellow (18%)
- Black (45%)



- Cyan (53%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2271, 24.2095, 19.8265 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 20.2271, 24.2095, 19.8265 by changing the saturation by 10% instead.

■ 20.2271, 24.2095,
19.8265

■ 20.2271, 24.2095,
19.8265

245.9521,
273.8779, 263.5474

■ 12.6695, 15.4891,
12.0862

■ 43.2986, 50.3719,
43.9812

■ 7.2768, 9.1634,
6.6791

■ 59.5433, 68.5826,
61.2327

■ 3.6836, 4.8479,
3.1869

■ 79.4142, 90.7256,
82.4917

■ 1.5248, 2.1583,
1.1908

103.2769,
117.1852, 108.1767

■ 0.3426, 0.6971,
0.0000

131.4967,
148.3459, 138.7062

■ 0.0000, 0.0000,
0.0000

164.4389,

184.5919, 174.4988

202.4690,
226.3078, 215.9730

■ 20.2271, 24.2095,
19.8265

■ 20.2271, 24.2095,
19.8265

■ 17.9411, 23.1184,
15.8032

■ 22.8441, 25.4583,
24.5142

■ 15.9711, 22.1758,
12.4128

■ 25.8027, 26.8675,
29.8929

■ 14.3035, 21.3762,
9.6235

■ 29.1154, 28.4438,
35.9894

■ 12.9231, 20.7123,
7.4002

■ 32.7933, 30.1922,
42.8289

■ 11.8134, 20.1766,
5.7043

■ 36.8472, 32.1179,
50.4351

■ 10.9561, 19.7607,
4.4919

■ 41.2875, 34.2257,
58.8310

■ 10.3306, 19.4548,
3.7127

■ 46.1239, 36.5202,
68.0382

■ 9.9034, 19.2442,
3.2557

■ 51.3661, 39.0059,
78.0778

■ 9.8494, 19.2178,
3.1903

■ 57.0233, 41.6870,
88.9700

Harmonies

Analogous

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



21.7692, 24.2095, 17.2971



20.2271, 24.2095, 19.8265



19.4468, 24.2095, 24.3674

Triad

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



20.2271, 24.2095, 19.8265



22.3037, 24.2095, 38.6805



26.8211, 24.2095, 22.9027

Complementary

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



20.2271, 24.2095, 19.8265



21.2561, 19.5037, 27.8449

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.



26.9847, 24.2095, 28.4584



20.2271, 24.2095, 19.8265



24.2979, 24.2095, 38.1380

Square

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



20.2271, 24.2095, 19.8265



20.5989, 24.2095, 35.5813



26.0380, 24.2095, 34.1911



25.6031, 24.2095, 18.8878

Rectangle

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



20.2271, 24.2095, 19.8265



19.4315, 24.2095, 28.1662



26.0380, 24.2095, 34.1911



27.0038, 24.2095, 24.6328

Sweetspot

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



20.2277, 24.2105, 19.8270



42.0777, 46.1467, 46.0139



22.9784, 24.6984, 19.7762



9.3356, 10.2772, 10.1641



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.2277, 24.2105, 19.8270



34.5024, 42.5337, 32.4606



20.2129, 24.1425, 22.5537



5.4154, 6.0667, 5.7749



8.9897, 17.5269, 2.9092



0.0978, 0.1737, 0.0284

Inverse Universe

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



21.2561, 19.5037, 27.8449



36.6835, 32.5441, 49.4761



21.3039, 19.5999, 24.6109



5.5459, 5.4696, 6.7922



11.3707, 5.3554, 23.4115



0.1229, 0.0585, 0.2245

Previews

White Background



This preview shows how the XYZ color 20.2271, 24.2095, 19.8265 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 20.2271, 24.2095, 19.8265 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 20.2271, 24.2095, 19.8265

Background



This preview shows how black text looks on a background with the XYZ color 20.2271, 24.2095, 19.8265.



This preview shows how white text looks on a background with the XYZ color 20.2271, 24.2095,

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

20.2271, 24.2095, 19.8265

Protanopia

22.6051, 23.9708, 18.7647

Deuteranopia

24.5199, 24.1196, 20.1928



Tritanopia

22.5243, 24.2830, 31.1037

Trichromacy



Original Color

20.2271, 24.2095, 19.8265

Protanomaly

21.7578, 24.1519, 19.1378

Deuteranomaly

22.6620, 23.9739, 19.9560

Tritanomaly

21.4877, 24.0638, 26.4339

Monochromacy



Original Color

20.2271, 24.2095, 19.8265

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1180, 23.3206, 22.7903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2271, 24.2095, 19.8265 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(119, 141, 115)` looks like.

```
.text, #text, p{  
    color:rgb(119, 141, 115)  
}
```

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(119, 141, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 141, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.2271, 24.2095, 19.8265 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(119, 141, 115) }
```


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

```
.border{ border-color:rgb(119, 141, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 141, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 141, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 141, 115);  
box-shadow:4px 4px 4px 4px rgb(119, 141,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2271, 24.2095, 19.8265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 141, 115) }
```

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

```
.background{ background-color: rgb(119,  
141, 115) }
```

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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