

Converting Colors

XYZ(19.8811, 24.3952, 21.3825)

Have a look what the booklet for
XYZ(19.8811, 24.3952, 21.3825)
contains.

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Color

**XYZ(19.8947, 24.4457,
21.4392)**

Conversions

Conversions Part 1

Format	Color
Hex	708F78
RGB	112, 143, 120
RGB Percent	44%, 56%, 47%
CMY	0.5608, 0.4392, 0.5294
CMYK	0.22, 0.00, 0.16, 0.44
HSL	135°, 12%, 50%
HSV	135°, 22%, 56%
XYZ	19.8947, 24.4457, 21.4392
YIQ	131.1090, -11.0930, -13.7250

Conversions

Conversions Part 2

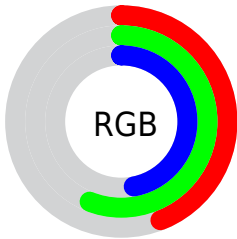
Format	Color
R_{YB}	112, 137, 143
Decimal	7376760
CIE _{Lab}	56.53, -15.76, 8.70
CIE _{LCh}	57, 18.004, 151.103
Yxy	24.4457, 0.3024, 0.3716
Android (android.graphics.Color)	4285566840 (0xFF708F78)
YUV	131.1090, -5.4767, -16.7586
Hunter-Lab	49.4426, -14.6997, 8.9006

Details

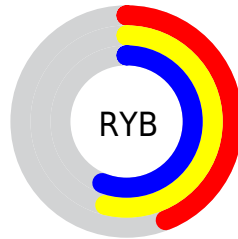
The XYZ color **19.8947, 24.4457, 21.4392** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.4959, 19.1778, 25.4915**, and the grayscale version is **21.6346, 22.7613, 24.7871**.

A 20% lighter version of the original color is **42.7225, 50.8036, 46.5841**, and **7.1339, 9.3533, 7.5603** is the 20% darker color. If you saturate the color by 10%, you get **17.6091, 23.3384, 18.1553**, and if you desaturate by 10%, it is **22.5420, 25.7326, 25.1136**.

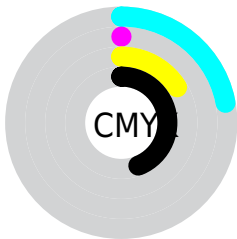
Distribution



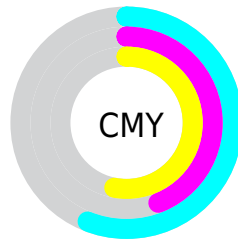
- Red (44%)
- Green (56%)
- Blue (47%)



- Red (44%)
- Yellow (54%)
- Blue (56%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (44%)



- Cyan (56%)
- Magenta (44%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8947, 24.4457, 21.4392 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 19.8947, 24.4457, 21.4392 by changing the saturation by 10% instead.

■ 19.8947, 24.4457,
21.4392

■ 19.8947, 24.4457,
21.4392

244.1889,
275.0661, 272.4608

■ 12.4263, 15.6646,
13.2511

■ 42.7459, 50.7565,
46.7076

■ 7.1090, 9.2871,
7.4689

■ 58.8594, 69.0551,
64.6249

■ 3.5773, 4.9289,
3.6742

■ 78.5853, 91.2948,
86.6224

■ 1.4659, 2.2056,
1.4484

■ 102.2891,
117.8602, 113.1185

■ 0.3024, 0.7231,
0.1790

130.3359,
149.1356, 144.5319

■ 0.0000, 0.0000,
0.0000

163.0913,

185.5055, 181.2811

200.9205,
227.3542, 223.7845

■ 19.8947, 24.4457,
21.4392

■ 19.8947, 24.4457,
21.4392

■ 17.6091, 23.3384,
18.1553

■ 22.5420, 25.7326,
25.1136

■ 15.6673, 22.3998,
15.2474

■ 25.5640, 27.2034,
29.1891

■ 14.0528, 21.6221,
12.7025

■ 28.9754, 28.8662,
33.6780

■ 12.7470, 20.9962,
10.5063

■ 32.7894, 30.7276,
38.5914

■ 11.7292, 20.5117,
8.6434

■ 37.0189, 32.7940,
43.9401

■ 10.9762, 20.1569,
7.0974

■ 41.6760, 35.0713,
49.7346

■ 10.4610, 19.9184,
5.8503

■ 46.7722, 37.5655,
55.9848

■ 10.1553, 19.7788,
5.0247

■ 52.3188, 40.2820,
62.7006

■ 58.3266, 43.2261,
69.8913

Harmonies

Analogous

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



21.2223, 24.4457, 17.9371



19.8947, 24.4457, 21.4392



19.4481, 24.4457, 26.8391

Triad

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



19.8947, 24.4457, 21.4392



23.3122, 24.4457, 39.8455



26.8443, 24.4457, 21.1092

Complementary

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



19.8947, 24.4457, 21.4392



21.4959, 19.1778, 25.4915

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.



27.4839, 24.4457, 26.3966



19.8947, 24.4457, 21.4392



25.3709, 24.4457, 37.7244

Square

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



19.8947, 24.4457, 21.4392



21.3485, 24.4457, 38.0042



26.9295, 24.4457, 32.5683



25.2292, 24.4457, 17.7675

Rectangle

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



19.8947, 24.4457, 21.4392



19.6875, 24.4457, 30.9747



26.9295, 24.4457, 32.5683



27.1847, 24.4457, 22.6889

Sweetspot

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



19.8954, 24.4467, 21.4397



42.7348, 47.2326, 48.1892



22.7800, 25.9876, 19.1450



9.7386, 10.8016, 10.9678



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.



19.8954, 24.4467, 21.4397



33.5550, 42.7729, 35.4432



20.8961, 24.8470, 26.7096



5.3965, 6.0508, 6.0536



8.9864, 17.4904, 4.4828



0.0938, 0.1704, 0.0846

Inverse Universe

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



21.4959, 19.1778, 25.4915



36.9459, 31.6063, 44.0245



20.4976, 18.7785, 20.2346



5.5676, 5.4876, 6.4872



12.3294, 6.0888, 12.6518



0.1269, 0.0618, 0.1682

Previews

White Background



This preview shows how the XYZ color 19.8947, 24.4457, 21.4392 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 19.8947, 24.4457, 21.4392 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 19.8947, 24.4457, 21.4392

Background



This preview shows how black text looks on a background with the XYZ color 19.8947, 24.4457, 21.4392.



This preview shows how white text looks on a background with the XYZ color 19.8947, 24.4457,

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

19.8947, 24.4457, 21.4392

Protanopia

22.9717, 24.3397, 20.0103

Deuteranopia

24.6947, 24.1676, 22.1022



Tritanopia

22.0738, 24.4492, 32.4099

Trichromacy



Original Color

19.8947, 24.4457, 21.4392

Protanomaly

21.6594, 24.2866, 20.3758

Deuteranomaly

22.6581, 24.1364, 21.8769

Tritanomaly

21.1085, 24.2651, 27.9972

Monochromacy



Original Color

19.8947, 24.4457, 21.4392

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8069, 23.1453, 23.4495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8947, 24.4457, 21.4392 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(112, 143, 120)` looks like.

```
.text, #text, p{  
    color:rgb(112, 143, 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(112, 143, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 143, 120) }
```

Border

The CSS property to change the border of an element to XYZ 19.8947, 24.4457, 21.4392 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(112, 143, 120) }
```


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

```
.border{ border-color:rgb(112, 143, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 143, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 143, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 143, 120);  
box-shadow:4px 4px 4px 4px rgb(112, 143,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8947, 24.4457, 21.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 143, 120) }
```

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

```
.background{ background-color: rgb(112,  
143, 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](#).

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