

Converting Colors

XYZ(19.8291, 24.6645, 13.1615)

Have a look what the booklet for
XYZ(19.8291, 24.6645, 13.1615)
contains.

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Color

**XYZ(19.7940, 24.5771,
13.1518)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8F59
RGB	123, 143, 89
RGB Percent	48%, 56%, 35%
CMY	0.5176, 0.4392, 0.6510
CMYK	0.14, 0.00, 0.38, 0.44
HSL	82°, 23%, 45%
HSV	82°, 38%, 56%
XYZ	19.7940, 24.5771, 13.1518
YIQ	130.8640, 5.4140, -21.0340

Conversions

Conversions Part 2

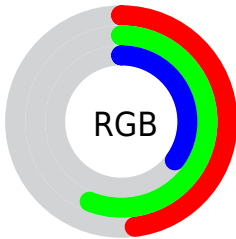
Format	Color
R_{YB}	89, 143, 109
Decimal	8097625
CIE Lab	56.66, -16.82, 26.41
CIE LCh	57, 31.316, 122.494
Yxy	24.5771, 0.3441, 0.4273
Android (android.graphics.Color)	4286287705 (0xFF7B8F59)
YUV	130.8640, -20.6390, -6.8967
Hunter-Lab	49.5753, -15.4868, 18.9737

Details

The XYZ color **19.7940, 24.5771, 13.1518** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.8379, 12.3798, 27.5954**, and the grayscale version is **21.5953, 22.7200, 24.7420**.

A 20% lighter version of the original color is **42.6044, 51.0561, 32.4203**, and **7.0799, 9.4123, 3.6341** is the 20% darker color. If you saturate the color by 10%, you get **18.5137, 23.9806, 10.2561**, and if you desaturate by 10%, it is **21.2332, 25.2435, 16.6650**.

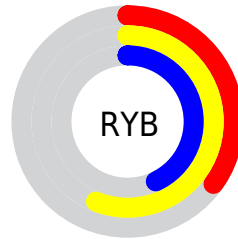
Distribution



Red (48%)

Green (56%)

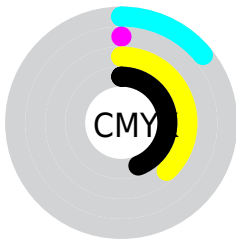
Blue (35%)



Red (35%)

Yellow (56%)

Blue (43%)

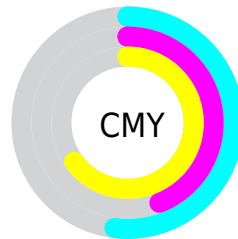


Cyan (14%)

Magenta (0%)

Yellow (38%)

Black (44%)



Cyan (52%)

Magenta (44%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7940, 24.5771, 13.1518 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 19.7940, 24.5771, 13.1518 by changing the saturation by 10% instead.

■ 19.7940, 24.5771,
13.1518

■ 19.7940, 24.5771,
13.1518

243.6526,
275.7253, 223.1301

■ 12.3528, 15.7623,
7.4012

■ 42.5781, 50.9703,
32.2714

■ 7.0583, 9.3561,
3.6320

■ 58.6517, 69.3175,
46.4775

■ 3.5453, 4.9742,
1.4257

■ 78.3335, 91.6109,
64.3392

■ 1.4482, 2.2321,
0.1617

■ 101.9889,
118.2349, 86.2750

■ 0.2902, 0.7374,
0.0000

■ 129.9831,
149.5740, 112.7034

■ 0.0000, 0.0000,
0.0000

162.6815,

186.0125, 144.0431

200.4496,
227.9348, 180.7125

■ 19.7940, 24.5771,
13.1518

■ 19.7940, 24.5771,
13.1518

■ 18.5137, 23.9806,
10.2561

■ 21.2332, 25.2435,
16.6650

■ 17.3831, 23.4479,
7.9405

■ 22.8364, 25.9795,
20.8268

■ 16.3946, 22.9765,
6.1660


■ 24.6105, 26.7888,
25.6685


■ 15.5392, 22.5629,
4.8884


■ 26.5616, 27.6738,
31.2186


■ 14.8063, 22.2028,
4.0562


■ 28.6955, 28.6370,
37.5041


 14.1764, 21.8882,
3.5695

 31.0174, 29.6804,
44.5505

 14.0426, 21.8212,
3.4718

 33.5327, 30.8063,
52.3821

 36.2462, 32.0168,
61.0223

 39.1628, 33.3137,
70.4933

Harmonies

Analogous

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



23.0562, 24.5771, 11.3013



19.7940, 24.5771, 13.1518



17.6795, 24.5771, 18.5208

Triad

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



19.7940, 24.5771, 13.1518



20.2707, 24.5771, 48.7983



31.0830, 24.5771, 25.8964

Complementary

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



19.7940, 24.5771, 13.1518



14.8379, 12.3798, 27.5954

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.



30.1425, 24.5771, 37.1397



19.7940, 24.5771, 13.1518



23.6661, 24.5771, 52.2333

Square

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



19.7940, 24.5771, 13.1518



17.9340, 24.5771, 39.0538



27.3300, 24.5771, 47.5063



29.7825, 24.5771, 17.3623

Rectangle

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



19.7940, 24.5771, 13.1518



17.0785, 24.5771, 24.2235



27.3300, 24.5771, 47.5063



31.0184, 24.5771, 29.4683

Sweetspot

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



19.7946, 24.5782, 13.1523



42.9336, 47.4542, 42.8163



18.5791, 17.4564, 11.8417



9.7578, 10.8423, 9.5780



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.



19.7946, 24.5782, 13.1523



33.5487, 43.1285, 19.2265



16.4713, 22.8650, 12.9968



5.6485, 6.1869, 5.7859



12.4393, 19.3053, 3.0707



0.1433, 0.1971, 0.0305

Inverse Universe

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



14.8379, 12.3798, 27.5954



23.4059, 18.1497, 48.8077



18.6521, 14.3461, 27.7739



5.3065, 5.3462, 6.7810



5.7022, 2.4332, 23.1462



0.0774, 0.0351, 0.2224

Previews

White Background



This preview shows how the XYZ color 19.7940, 24.5771, 13.1518 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 19.7940, 24.5771, 13.1518 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 19.7940, 24.5771, 13.1518

Background



This preview shows how black text looks on a background with the XYZ color 19.7940, 24.5771, 13.1518.



This preview shows how white text looks on a background with the XYZ color 19.7940, 24.5771,

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

19.7940, 24.5771, 13.1518

Protanopia

22.6966, 24.5761, 12.3515

Deuteranopia

24.8147, 24.4194, 13.5307



Tritanopia

23.4307, 24.5402, 31.1056

Trichromacy



Original Color

19.7940, 24.5771, 13.1518

Protanomaly

21.6004, 24.6423, 12.6348

Deuteranomaly

22.7650, 24.3792, 13.4033

Tritanomaly

21.9006, 24.5608, 23.3251

Monochromacy



Original Color

19.7940, 24.5771, 13.1518

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.7184, 23.1781, 19.9048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7940, 24.5771, 13.1518 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(123, 143, 89)` looks like.

```
.text, #text, p{  
    color:rgb(123, 143, 89)  
}
```

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(123, 143, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 143, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.7940, 24.5771, 13.1518 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(123, 143, 89) }
```


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

```
.border{ border-color:rgb(123, 143, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 143, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 143, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 143, 89);  
box-shadow:4px 4px 4px 4px rgb(123, 143,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7940, 24.5771, 13.1518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 143, 89) }
```

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

```
.background{ background-color: rgb(123,  
143, 89) }
```

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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