

Converting Colors

XYZ(19.8577, 21.6976, 13.9653)

Have a look what the booklet for
XYZ(19.8577, 21.6976, 13.9653)
contains.

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Color

**XYZ(19.9075, 21.6776,
13.9614)**

Conversions

Conversions Part 1

Format	Color
Hex	87815F
RGB	135, 129, 95
RGB Percent	53%, 51%, 37%
CMY	0.4706, 0.4941, 0.6274
CMYK	0.00, 0.04, 0.30, 0.47
HSL	51°, 17%, 45%
HSV	51°, 30%, 53%
XYZ	19.9075, 21.6776, 13.9614
YIQ	126.9180, 14.4900, -9.3020

Conversions

Conversions Part 2

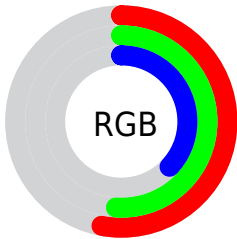
Format	Color
R_{YB}	102, 135, 95
Decimal	8880479
CIE _{Lab}	53.68, -3.42, 19.29
CIE _{LCh}	54, 19.592, 100.061
Yxy	21.6776, 0.3584, 0.3903
Android (android.graphics.Color)	4287070559 (0xFF87815F)
YUV	126.9180, -15.7356, 7.0879
Hunter-Lab	46.5592, -5.1567, 14.8125

Details

The XYZ color **19.9075, 21.6776, 13.9614** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.7461, 13.4892, 24.8010**, and the grayscale version is **20.1939, 21.2456, 23.1364**.

A 20% lighter version of the original color is **42.9025, 46.3500, 33.8794**, and **7.1485, 7.8820, 3.9409** is the 20% darker color. If you saturate the color by 10%, you get **19.0825, 20.9260, 10.9168**, and if you desaturate by 10%, it is **20.8453, 22.4843, 17.5688**.

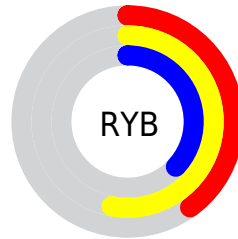
Distribution



Red (53%)

Green (51%)

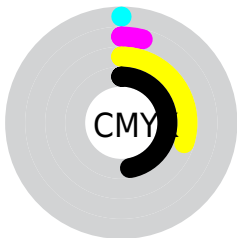
Blue (37%)



Red (40%)

Yellow (53%)

Blue (37%)

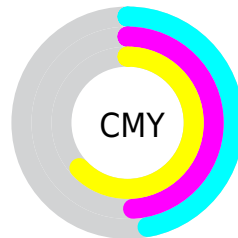


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9075, 21.6776, 13.9614 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 19.9075, 21.6776, 13.9614 by changing the saturation by 10% instead.

■ 19.9075, 21.6776,
13.9614

■ 19.9075, 21.6776,
13.9614

244.2570,
260.8580, 228.4106

■ 12.4357, 13.6202,
7.9554

■ 42.7672, 46.2126,
33.7367

■ 7.1154, 7.8570,
3.9790

■ 58.8858, 63.4589,
48.3430

■ 3.5814, 4.0036,
1.6139

■ 78.6173, 84.5370,
66.6532

■ 1.4681, 1.6756,
0.3007

■ 102.3272,
109.8313, 89.0857

■ 0.3040, 0.4078,
0.0000

130.3807,
139.7261, 116.0592

■ 0.0000, 0.0000,
0.0000

163.1433,

174.6059, 147.9922

200.9803,
214.8551, 185.3031

■ 19.9075, 21.6776,
13.9614

■ 19.9075, 21.6776,
13.9614

■ 19.0825, 20.9260,
10.9168

■ 20.8453, 22.4843,
17.5688

■ 18.3631, 20.2242,
8.4048

■ 21.8992, 23.3453,
21.7646

■ 17.7439, 19.5709,
6.3944

■ 23.0748, 24.2634,
26.5743

■ 17.2181, 18.9632,
4.8507

■ 24.3765, 25.2405,
32.0214

■ 16.7783, 18.3983,
3.7345

■ 25.8085, 26.2785,
38.1285

■ 16.4159, 17.8724,
3.0000

■ 27.3750, 27.3789,
44.9168

■ 16.1064, 17.3759,
2.5194

■ 29.0799, 28.5434,
52.4067

■ 16.0951, 17.3577,
2.5021

■ 30.9268, 29.7735,
60.6177

■ 32.9193, 31.0707,
69.5684

Harmonies

Analogous

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



22.0097, 21.6776, 14.3271



19.9075, 21.6776, 13.9614



18.1163, 21.6776, 15.8226

Triad

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



19.9075, 21.6776, 13.9614



17.6695, 21.6776, 31.8425



24.6314, 21.6776, 27.7640

Complementary

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



19.9075, 21.6776, 13.9614



13.7461, 13.4892, 24.8010

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.



23.3094, 21.6776, 33.5899



19.9075, 21.6776, 13.9614



19.2593, 21.6776, 36.2075

Square

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



19.9075, 21.6776, 13.9614



16.8835, 21.6776, 25.6786



21.3164, 21.6776, 36.8963



24.8343, 21.6776, 21.6428

Rectangle

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



19.9075, 21.6776, 13.9614



17.3037, 21.6776, 18.2966



21.3164, 21.6776, 36.8963



24.2991, 21.6776, 29.8479

Sweetspot

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



19.9081, 21.6786, 13.9619



39.3026, 41.8748, 39.3214



16.4331, 14.2752, 14.2014



9.0425, 9.6501, 8.8660



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.9081, 21.6786, 13.9619



34.5705, 37.8452, 20.9901



18.6149, 22.2193, 14.1344



4.9819, 5.3073, 4.9912



14.8492, 16.0211, 2.3097



0.0554, 0.0635, 0.0093

Inverse Universe

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



13.7461, 13.4892, 24.8010



21.5637, 20.5622, 43.8807



14.7723, 13.1852, 24.6882



4.4867, 4.6490, 5.8616



4.2740, 2.0958, 21.3160



0.0181, 0.0139, 0.0750

Previews

White Background



This preview shows how the XYZ color 19.9075, 21.6776, 13.9614 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 19.9075, 21.6776, 13.9614 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

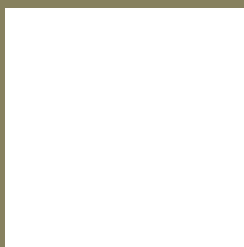
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9075, 21.6776, 13.9614

Background



This preview shows how black text looks on a background with the XYZ color 19.9075, 21.6776, 13.9614.



This preview shows how white text looks on a background with the XYZ color 19.9075, 21.6776,

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

19.9075, 21.6776, 13.9614

Protanopia

20.2660, 21.6678, 13.9407

Deuteranopia

21.9568, 21.5898, 14.0763



Tritanopia

22.3259, 21.7120, 25.5684

Trichromacy



Original Color

19.9075, 21.6776, 13.9614

Protanomaly

20.1013, 21.5829, 13.9329

Deuteranomaly

21.1220, 21.5315, 14.1091

Tritanomaly

21.3323, 21.6810, 20.8298

Monochromacy



Original Color

19.9075, 21.6776, 13.9614

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0196, 21.4220, 19.2994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9075, 21.6776, 13.9614 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(135, 129, 95)` looks like.

```
.text, #text, p{  
    color:rgb(135, 129, 95)  
}
```

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(135, 129, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 129, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.9075, 21.6776, 13.9614 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(135, 129, 95) }
```


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

```
.border{ border-color:rgb(135, 129, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 129, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 129, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 129, 95);  
box-shadow:4px 4px 4px 4px rgb(135, 129,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9075, 21.6776, 13.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 129, 95) }
```

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

```
.background{ background-color: rgb(135,  
129, 95) }
```

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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