

Converting Colors

XYZ(12.6893, 19.9379, 18.6968)

Have a look what the booklet for
XYZ(12.6893, 19.9379, 18.6968)
contains.

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Color

**XYZ(12.6921, 19.9044,
18.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	1C8B71
RGB	28, 139, 113
RGB Percent	11%, 55%, 44%
CMY	0.8902, 0.4549, 0.5569
CMYK	0.80, 0.00, 0.19, 0.45
HSL	166°, 66%, 33%
HSV	166°, 80%, 55%
XYZ	12.6921, 19.9044, 18.7958
YIQ	102.8470, -57.8100, -31.6180

Conversions

Conversions Part 2

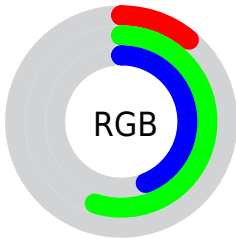
Format	Color
R_{YB}	28, 91, 139
Decimal	1870705
CIE _{Lab}	51.73, -36.37, 5.41
CIE _{LCh}	52, 36.771, 171.533
Yxy	19.9044, 0.2470, 0.3873
Android (android.graphics.Color)	4280060785 (0xFF1C8B71)
YUV	102.8470, 5.0054, -65.6408
Hunter-Lab	44.6143, -27.2946, 6.2515

Details

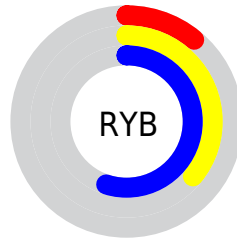
The XYZ color **12.6921, 19.9044, 18.7958** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.7291, 6.5862, 4.1436**, and the grayscale version is **12.8503, 13.5195, 14.7228**.

A 20% lighter version of the original color is **30.3757, 43.1837, 42.3316**, and **4.4439, 7.3611, 6.1876** is the 20% darker color. If you saturate the color by 10%, you get **12.2163, 19.6804, 17.8340**, and if you desaturate by 10%, it is **13.3512, 20.2231, 19.8014**.

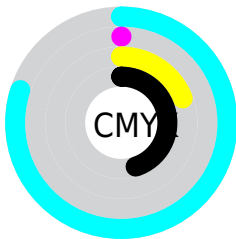
Distribution



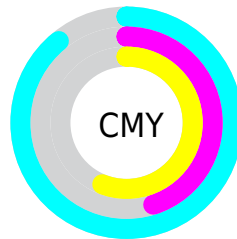
- Red (11%)
- Green (55%)
- Blue (44%)



- Red (11%)
- Yellow (36%)
- Blue (55%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (45%)



- Cyan (89%)
- Magenta (45%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6921, 19.9044, 18.7958 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 12.6921, 19.9044, 18.7958 by changing the saturation by 10% instead.

12.6921, 19.9044,
18.7958

12.6921, 19.9044,
18.7958

202.6126,
251.3971, 257.7042

7.2924, 12.3256,
11.3475

30.3556, 43.2568,
42.2209

3.6936, 6.9658,
6.1840

43.3500, 59.7993,
59.0347

1.5303, 3.4407,
2.8867

59.6068, 80.0983,
79.8075

0.3463, 1.3659,
1.0371

79.4912, 104.5384,
104.9577

0.0000, 0.1914,
0.0000

103.3686,
133.5039, 134.9040

0.0000, 0.0000,
0.0000

131.6044,

167.3793, 170.0648

164.5640,
206.5489, 210.8587

■ 12.6921, 19.9044,
18.7958

■ 12.6921, 19.9044,
18.7958

■ 12.2163, 19.6804,
17.8340

■ 13.3512, 20.2231,
19.8014

■ 11.8626, 19.5181,
16.9116

■ 14.2136, 20.6453,
20.8507

■ 11.8576, 19.5158,
16.8984

■ 15.2982, 21.1814,
21.9454

■ 16.6213, 21.8396,
23.0867

■ 18.1978, 22.6276,
24.2756

■ 20.0413, 23.5525,
25.5130

■ 22.1642, 24.6206,
26.7999

■ 24.5785, 25.8381,
28.1370

■ 27.2951, 27.2107,
29.5254

Harmonies

Analogous

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



13.8552, 19.9044, 11.2687



12.6921, 19.9044, 18.7958



13.0175, 19.9044, 30.0891

Triad

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



12.6921, 19.9044, 18.7958



21.6656, 19.9044, 46.8396



23.7229, 19.9044, 9.2699

Complementary

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



12.6921, 19.9044, 18.7958



11.7291, 6.5862, 4.1436

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.



26.3778, 19.9044, 14.9930



12.6921, 19.9044, 18.7958



25.0859, 19.9044, 37.0655

Square

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



12.6921, 19.9044, 18.7958



17.8854, 19.9044, 48.8844



26.9067, 19.9044, 24.8287



19.9907, 19.9044, 7.0746

Rectangle

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



12.6921, 19.9044, 18.7958



14.0560, 19.9044, 38.2790



26.9067, 19.9044, 24.8287



24.7902, 19.9044, 10.7346

Sweetspot

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



12.6927, 19.9052, 18.7963



34.2873, 41.3725, 44.6425



11.0597, 19.3835, 4.2572



7.6638, 9.4145, 10.1255



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.



12.6927, 19.9052, 18.7963



21.3832, 35.0182, 30.5733



10.8514, 13.5351, 26.4677



5.1236, 5.6689, 6.1717



10.7083, 17.6159, 15.2867



0.0768, 0.1193, 0.1311

Inverse Universe

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



11.7291, 6.5862, 4.1436



19.6790, 10.2000, 3.7231



12.2597, 8.3775, 2.0696



5.0778, 5.0665, 5.4980



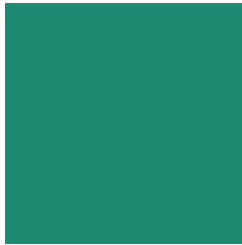
9.8580, 5.0533, 1.7564



0.0704, 0.0355, 0.0375

Previews

White Background



This preview shows how the XYZ color 12.6921, 19.9044, 18.7958 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 12.6921, 19.9044, 18.7958 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 12.6921, 19.9044, 18.7958

Background



This preview shows how black text looks on a background with the XYZ color 12.6921, 19.9044, 18.7958.



This preview shows how white text looks on a background with the XYZ color 12.6921, 19.9044,

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

12.6921, 19.9044, 18.7958

Protanopia

18.5115, 19.5857, 15.9015

Deuteranopia

19.9018, 19.4991, 19.8543



Tritanopia

14.9937, 20.0007, 29.8583

Trichromacy



Original Color

12.6921, 19.9044, 18.7958

Protanomaly

14.7866, 18.7752, 16.7546

Deuteranomaly

15.5430, 18.7241, 19.3179

Tritanomaly

13.9522, 19.7732, 25.2715

Monochromacy



Original Color

12.6921, 19.9044, 18.7958

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.8797, 15.0888, 16.1962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6921, 19.9044, 18.7958 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(28, 139, 113)` looks like.

```
.text, #text, p{  
  color:rgb(28, 139, 113)  
}
```

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(28, 139, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 139, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.6921, 19.9044, 18.7958 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(28, 139, 113) }
```


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

```
.border{ border-color:rgb(28, 139, 113) }
```

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

Here you see how a box with a 4 pixel rgb(28, 139, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 139, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 139, 113);  
box-shadow:4px 4px 4px 4px rgb(28, 139,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6921, 19.9044, 18.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 139, 113) }
```

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

```
.background{ background-color: rgb(28, 139,  
113) }
```

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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