

Converting Colors

XYZ(20.9943, 30.8770, 26.7641)

Have a look what the booklet for
XYZ(20.9943, 30.8770, 26.7641)
contains.

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Color

**XYZ(20.9641, 30.8399,
26.6776)**

Conversions

Conversions Part 1

Format	Color
Hex	4CA784
RGB	76, 167, 132
RGB Percent	30%, 65%, 52%
CMY	0.7019, 0.3451, 0.4823
CMYK	0.54, 0.00, 0.21, 0.35
HSL	157°, 37%, 48%
HSV	157°, 54%, 65%
XYZ	20.9641, 30.8399, 26.6776
YIQ	135.8010, -43.0010, -30.1770

Conversions

Conversions Part 2

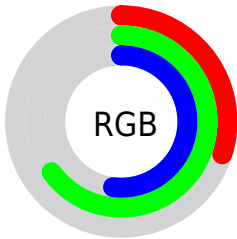
Format	Color
RYB	76, 132, 167
Decimal	5023620
CIELab	62.37, -35.71, 9.98
CIElCh	62, 37.080, 164.393
Yxy	30.8399, 0.2671, 0.3930
Android (android.graphics.Color)	4283213700 (0xFF4CA784)
YUV	135.8010, -1.8739, -52.4455
Hunter-Lab	55.5337, -29.7998, 10.3915

Details

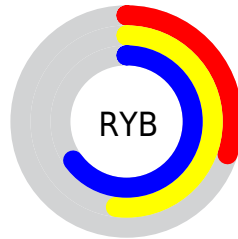
The XYZ color **20.9641, 30.8399, 26.6776** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.3911, 14.5329, 16.7178**, and the grayscale version is **23.3464, 24.5622, 26.7482**.

A 20% lighter version of the original color is **44.6604, 61.1837, 55.3547**, and **7.6412, 12.6914, 10.2306** is the 20% darker color. If you saturate the color by 10%, you get **19.3796, 30.0731, 24.3795**, and if you desaturate by 10%, it is **22.9218, 31.7975, 29.1358**.

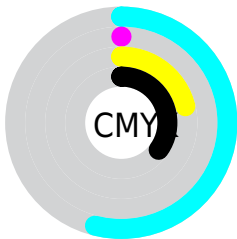
Distribution



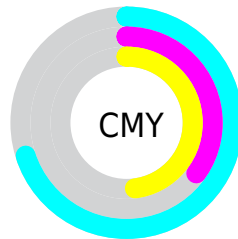
- Red (30%)
- Green (65%)
- Blue (52%)



- Red (30%)
- Yellow (52%)
- Blue (65%)



- Cyan (54%)
- Magenta (0%)
- Yellow (21%)
- Black (35%)



- Cyan (70%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9641, 30.8399, 26.6776 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 20.9641, 30.8399, 26.6776 by changing the saturation by 10% instead.

■ 20.9641, 30.8399,
26.6776

■ 20.9641, 30.8399,
26.6776

249.8230,
305.8001, 299.8033

■ 13.2101, 20.4770,
17.1009

■ 44.5195, 60.9879,
55.3635

■ 7.6514, 12.7422,
10.1438

■ 61.0516, 81.5418,
75.3099

■ 3.9226, 7.2513,
5.3875

■ 81.2404, 106.2614,
99.5498

■ 1.6584, 3.6197,
2.4137

■ 105.4513,
135.5313, 128.5020

■ 0.4300, 1.4632,
0.7939

■ 134.0497,
169.7356, 162.5849

■ 0.0000, 0.2626,
0.0000

167.4008,

■ 0.0000, 0.0000,

209.2590, 202.2171

0.0000

205.8701,
254.4856, 247.8170

■ 20.9641, 30.8399,
26.6776

■ 20.9641, 30.8399,
26.6776

■ 19.3796, 30.0731,
24.3795

■ 22.9218, 31.7975,
29.1358

■ 18.1380, 29.4792,
22.2356

■ 25.2748, 32.9551,
31.7557

■ 17.2083, 29.0431,
20.2425

■ 28.0468, 34.3253,
34.5413

■ 16.5520, 28.7449,
18.3957

■ 31.2584, 35.9188,
37.4960

■ 16.2558, 28.6132,
17.4373

■ 34.9291, 37.7458,
40.6229

■ 39.0772, 39.8154,
43.9252

■ 43.7197, 42.1365,
47.4059

■ 48.8731, 44.7174,
51.0678

■ 54.5530, 47.5662,
54.9138

Harmonies

Analogous

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



23.0651, 30.8399, 17.4464



20.9641, 30.8399, 26.6776



20.9218, 30.8399, 40.9300

Triad

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



20.9641, 30.8399, 26.6776



31.7777, 30.8399, 68.1031



36.7647, 30.8399, 17.7156

Complementary

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



20.9641, 30.8399, 26.6776



21.3911, 14.5329, 16.7178

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.



39.6911, 30.8399, 27.1662



20.9641, 30.8399, 26.6776



36.5967, 30.8399, 57.4590

Square

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



20.9641, 30.8399, 26.6776



26.7914, 30.8399, 67.8603



39.6263, 30.8399, 41.5794



31.9868, 30.8399, 13.3718

Rectangle

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



20.9641, 30.8399, 26.6776



22.0470, 30.8399, 51.7396



39.6263, 30.8399, 41.5794



38.0206, 30.8399, 20.2599

Sweetspot

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



20.9649, 30.8411, 26.6783



54.8850, 63.7820, 66.1755



21.8573, 31.6316, 11.7915



12.0208, 14.1434, 14.5725



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.9649, 30.8411, 26.6783



34.2896, 53.6564, 42.9936



22.1664, 28.7474, 40.9412



7.6234, 8.4824, 9.0030



12.4631, 21.9040, 13.4715



0.3271, 0.5425, 0.4533

Inverse Universe

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



21.3911, 14.5329, 16.7178



35.1488, 21.4765, 23.4303



20.4982, 15.2509, 8.7013



7.6461, 7.5883, 8.4534



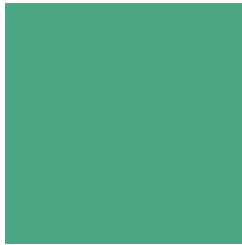
12.9304, 6.5809, 4.4448



0.3397, 0.1701, 0.2403

Previews

White Background



This preview shows how the XYZ color 20.9641, 30.8399, 26.6776 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.9641, 30.8399, 26.6776 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 ✓ Pass

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

XYZ 20.9641, 30.8399, 26.6776

Background



This preview shows how black text looks on a background with the XYZ color 20.9641, 30.8399, 26.6776.

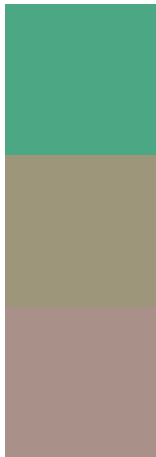


This preview shows how white text looks on a background with the XYZ color 20.9641, 30.8399,

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

20.9641, 30.8399, 26.6776

Protanopia

28.5820, 30.5119, 23.1218

Deuteranopia

31.0029, 30.4920, 27.9184



Tritanopia

24.5047, 30.6696, 44.6727

Trichromacy



Original Color

20.9641, 30.8399, 26.6776

Protanomaly

24.5564, 29.8725, 24.2104

Deuteranomaly

25.7561, 29.6826, 27.2935

Tritanomaly

23.0114, 30.5824, 37.4911

Monochromacy



Original Color

20.9641, 30.8399, 26.6776

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.7463, 26.1941, 26.8315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9641, 30.8399, 26.6776 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(76, 167, 132)` looks like.

```
.text, #text, p{  
    color:rgb(76, 167, 132)  
}
```

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(76, 167, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 167, 132) }
```

Border

The CSS property to change the border of an element to XYZ 20.9641, 30.8399, 26.6776 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(76, 167, 132) }
```


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

```
.border{ border-color:rgb(76, 167, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 167, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 167, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 167, 132);  
box-shadow:4px 4px 4px 4px rgb(76, 167,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9641, 30.8399, 26.6776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 167, 132) }
```

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

```
.background{ background-color: rgb(76, 167,  
132) }
```

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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