

Converting Colors

XYZ(20.3027, 30.4979, 26.7264)

Have a look what the booklet for
XYZ(20.3027, 30.4979, 26.7264)
contains.

XYZ(20.2983, 30.4967, 26.6464)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.2983, 30.4967,
26.6464)**

Conversions

Conversions Part 1

Format	Color
Hex	43A784
RGB	67, 167, 132
RGB Percent	26%, 65%, 52%
CMY	0.7372, 0.3451, 0.4823
CMYK	0.60, 0.00, 0.21, 0.35
HSL	159°, 43%, 46%
HSV	159°, 60%, 65%
XYZ	20.2983, 30.4967, 26.6464
YIQ	133.1100, -48.3650, -32.0850

Conversions

Conversions Part 2

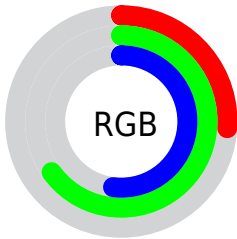
Format	Color
RYB	67, 128, 167
Decimal	4433796
CIELab	62.08, -37.69, 9.52
CIELCh	62, 38.871, 165.821
Yxy	30.4967, 0.2621, 0.3938
Android (android.graphics.Color)	4282623876 (0xFF43A784)
YUV	133.1100, -0.5472, -57.9785
Hunter-Lab	55.2238, -31.0315, 10.0483

Details

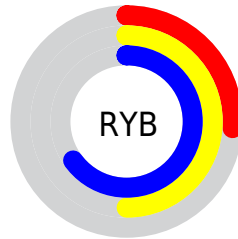
The XYZ color **20.2983, 30.4967, 26.6464** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.3428, 13.1898, 14.0451**, and the grayscale version is **22.3496, 23.5136, 25.6063**.

A 20% lighter version of the original color is **43.4568, 60.5632, 55.2984**, and **7.5786, 12.6592, 10.2276** is the 20% darker color. If you saturate the color by 10%, you get **18.9256, 29.8348, 24.5527**, and if you desaturate by 10%, it is **22.0252, 31.3402, 28.8750**.

Distribution



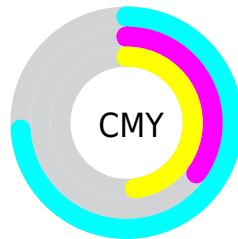
- Red (26%)
- Green (65%)
- Blue (52%)



- Red (26%)
- Yellow (50%)
- Blue (65%)



- Cyan (60%)
- Magenta (0%)
- Yellow (21%)
- Black (35%)



- Cyan (74%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2983, 30.4967, 26.6464 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 20.2983, 30.4967, 26.6464 by changing the saturation by 10% instead.

■ 20.2983, 30.4967,
26.6464

■ 20.2983, 30.4967,
26.6464

246.3283,
304.2129, 299.6468

■ 12.7216, 20.2159,
17.0777

■ 43.4169, 60.4468,
55.3128

■ 7.3128, 12.5521,
10.1274

■ 59.6895, 80.8849,
75.2475

■ 3.7065, 7.1208,
5.3768

■ 79.5914, 105.4775,
99.4748

■ 1.5375, 3.5378,
2.4074

■ 103.4880,
134.6091, 128.4130

■ 0.3511, 1.4185,
0.7905

■ 131.7446,
168.6641, 162.4808

■ 0.0000, 0.2303,
0.0000

164.7266,

■ 0.0000, 0.0000,

208.0267, 202.0967

0.0000

202.7994,
253.0815, 247.6791

■ 20.2983, 30.4967,
26.6464

■ 20.2983, 30.4967,
26.6464

■ 18.9256, 29.8348,
24.5527

■ 22.0252, 31.3402,
28.8750

■ 17.8750, 29.3355,
22.5885

■ 24.1300, 32.3751,
31.2396

■ 17.1125, 28.9824,
20.7510

■ 26.6371, 33.6148,
33.7436

■ 16.5617, 28.7358,
19.0347

■ 29.5681, 35.0702,
36.3900

■ 16.5554, 28.7330,
19.0147

■ 32.9431, 36.7518,
39.1813

■ 36.7807, 38.6690,
42.1202

■ 41.0986, 40.8311,
45.2091

■ 45.9134, 43.2465,
48.4504

■ 51.2411, 45.9234,
51.8465

Harmonies

Analogous

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



22.3634, 30.4967, 16.9231



20.2983, 30.4967, 26.6464



20.3571, 30.4967, 41.6812

Triad

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



20.2983, 30.4967, 26.6464



31.8115, 30.4967, 69.2804



36.5641, 30.4967, 16.5540

Complementary

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



20.2983, 30.4967, 26.6464



20.3428, 13.1898, 14.0451

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.



39.7629, 30.4967, 25.9649



20.2983, 30.4967, 26.6464



36.8022, 30.4967, 57.5560

Square

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



20.2983, 30.4967, 26.6464



26.5949, 30.4967, 69.6292



39.8549, 30.4967, 40.7618



31.5167, 30.4967, 12.3966

Rectangle

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



20.2983, 30.4967, 26.6464



21.5812, 30.4967, 53.0450



39.8549, 30.4967, 40.7618



37.9166, 30.4967, 19.0560

Sweetspot

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



20.2991, 30.4979, 26.6471



53.8385, 63.2469, 65.9291



20.5031, 30.9671, 10.2072



11.6917, 13.9762, 14.4465



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.



20.2991, 30.4979, 26.6471



33.1868, 53.0924, 42.7403



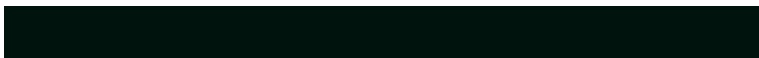
20.7914, 26.9858, 40.6737



7.6343, 8.4868, 9.0606



12.6917, 21.9954, 14.6751



0.3316, 0.5443, 0.4772

Inverse Universe

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



20.3428, 13.1898, 14.0451



33.3058, 19.2629, 18.2770



19.8435, 14.4077, 7.0457



7.6355, 7.5841, 8.3977



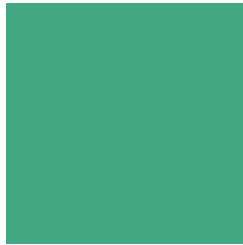
12.8093, 6.5324, 3.8071



0.3358, 0.1686, 0.2199

Previews

White Background



This preview shows how the XYZ color 20.2983, 30.4967, 26.6464 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 20.2983, 30.4967, 26.6464 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 20.2983, 30.4967, 26.6464

Background



This preview shows how black text looks on a background with the XYZ color 20.2983, 30.4967, 26.6464.

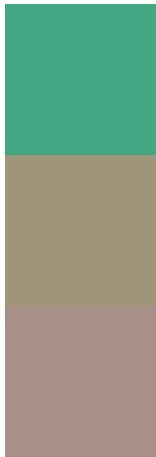


This preview shows how white text looks on a background with the XYZ color 20.2983, 30.4967,

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

20.2983, 30.4967, 26.6464

Protanopia

28.4231, 30.1941, 23.0689

Deuteranopia

30.6371, 30.0775, 27.8577



Tritanopia

23.8645, 30.3396, 44.6427

Trichromacy



Original Color

20.2983, 30.4967, 26.6464



Protanomaly

24.1118, 29.6433, 24.1896



Deuteranomaly

24.9615, 29.0310, 27.2096



Tritanomaly

22.4158, 30.2754, 37.4632

Monochromacy



Original Color

20.2983, 30.4967, 26.6464



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.6657, 25.1955, 25.9643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2983, 30.4967, 26.6464 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(67, 167, 132)` looks like.

```
.text, #text, p{  
    color:rgb(67, 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(67, 167, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 167, 132) }
```

Border

The CSS property to change the border of an element to XYZ 20.2983, 30.4967, 26.6464 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(67, 167, 132) }
```


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

```
.border{ border-color:rgb(67, 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(67, 167, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 167, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 167, 132);  
box-shadow:4px 4px 4px 4px rgb(67, 167,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2983, 30.4967, 26.6464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 167, 132) }
```

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

```
.background{ background-color: rgb(67, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor