

# Converting Colors

XYZ(20.7564, 33.1262, 26.4523)

Have a look what the booklet for  
XYZ(20.7564, 33.1262, 26.4523)  
contains.

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# Color

**XYZ(20.6746, 32.9498,  
26.3894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32AF82
RGB	50, 175, 130
RGB Percent	20%, 69%, 51%
CMY	0.8039, 0.3137, 0.4902
CMYK	0.71, 0.00, 0.26, 0.31
HSL	158°, 56%, 44%
HSV	158°, 71%, 69%
XYZ	20.6746, 32.9498, 26.3894
YIQ	132.4950, -60.0550, -40.4950

# Conversions

## Conversions Part 2

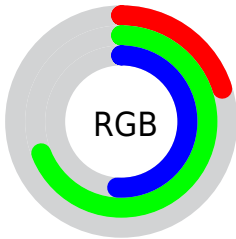
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 126, 175
Decimal	3321730
CIELab	64.12, -44.64, 13.44
CIELCh	64, 46.624, 163.243
Yxy	32.9498, 0.2584, 0.4118
Android (android.graphics.Color)	4281511810 (0xFF32AF82)
YUV	132.4950, -1.2300, -72.3481
Hunter-Lab	57.4019, -36.1625, 12.9239

# Details

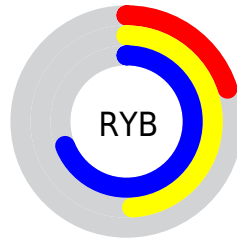
The XYZ color **20.6746, 32.9498, 26.3894** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.8864, 12.2221, 12.0857**, and the grayscale version is **22.1317, 23.2842, 25.3565**.

A 20% lighter version of the original color is **43.9332, 64.0814, 54.8532**, and **8.3226, 14.2688, 10.1001** is the 20% darker color. If you saturate the color by 10%, you get **19.5612, 32.4241, 24.1974**, and if you desaturate by 10%, it is **22.1454, 33.6585, 28.7348**.

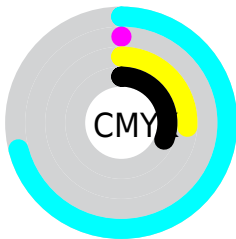
# Distribution



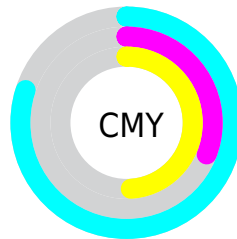
- Red (20%)
- Green (69%)
- Blue (51%)



- Red (20%)
- Yellow (49%)
- Blue (69%)



- Cyan (71%)
- Magenta (0%)
- Yellow (26%)
- Black (31%)




- Cyan (80%)
- Magenta (31%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6746, 32.9498, 26.3894 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 20.6746, 32.9498, 26.3894 by changing the saturation by 10% instead.





 20.6746, 32.9498,  
26.3894


 20.6746, 32.9498,  
26.3894


248.3087,  
315.4235, 298.3545


 12.9975, 22.0880,  
16.8868


 44.0407, 64.2971,  
54.8943


 7.5038, 13.9216,  
9.9927


 60.4604, 85.5515,  
74.7336


 3.8282, 8.0661,  
5.2886


 80.5250, 111.0388,  
98.8556

 1.6054, 4.1373,  
2.3559

 104.5998,  
141.1434, 127.6788

 0.3959, 1.7507,  
0.7623

 133.0502,  
176.2498, 161.6218

 0.0000, 0.4561,  
0.0000

166.2416,

 0.0000, 0.0000,

216.7424, 201.1030

0.0000

204.5393,  
263.0054, 246.5411

■ 20.6746, 32.9498,  
26.3894

■ 20.6746, 32.9498,  
26.3894

■ 19.5612, 32.4241,  
24.1974

■ 22.1454, 33.6585,  
28.7348

■ 18.7621, 32.0566,  
22.1522

■ 24.0050, 34.5638,  
31.2352

■ 18.2552, 31.8310,  
20.5111

■ 26.2844, 35.6823,  
33.8950

■ 29.0103, 37.0279,  
36.7178

■ 32.2075, 38.6133,  
39.7069

■ 35.8986, 40.4500,  
42.8654

■ 40.1050, 42.5491,  
46.1965

■ 44.8465, 44.9208,  
49.7031

■ 50.1422, 47.5747,  
53.3880

# Harmonies

## Analogous

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



23.4068, 32.9498, 15.3873



20.6746, 32.9498, 26.3894



20.5224, 32.9498, 44.8586

# Triad

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



20.6746, 32.9498, 26.3894



34.3143, 32.9498, 84.1271



41.4962, 32.9498, 16.3006

# Complementary

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



20.6746, 32.9498, 26.3894



20.8864, 12.2221, 12.0857

# 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.



45.3584, 32.9498, 28.1817



20.6746, 32.9498, 26.3894



40.8362, 32.9498, 69.3784

# Square

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



20.6746, 32.9498, 26.3894



27.8013, 32.9498, 83.1136



45.1012, 32.9498, 47.4024



35.1190, 32.9498, 11.1231



# Rectangle

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



20.6746, 32.9498, 26.3894



21.8620, 32.9498, 59.7026



45.1012, 32.9498, 47.4024



43.1692, 32.9498, 19.4200

# Sweetspot

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



20.6755, 32.9511, 26.3902



57.7200, 69.1720, 71.1464



20.7130, 33.3694, 8.3672



12.4660, 15.1940, 15.4851



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



20.6755, 32.9511, 26.3902



34.1029, 57.6378, 41.0849



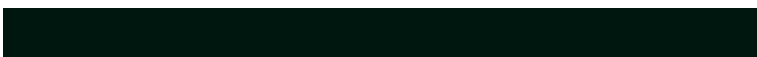
21.3380, 28.3421, 44.9050



8.1121, 9.0224, 9.6152



13.1028, 22.8064, 14.8471



0.3894, 0.6444, 0.5442



# Inverse Universe

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



20.8864, 12.2221, 12.0857



34.5734, 18.3037, 14.2912



20.2432, 13.3198, 4.5219



8.1199, 8.0612, 8.9424



13.3304, 6.7947, 4.1191



0.3975, 0.1997, 0.2549



# Previews

## White Background



This preview shows how the XYZ color 20.6746, 32.9498, 26.3894 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 20.6746, 32.9498, 26.3894 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

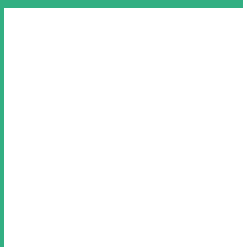
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 20.6746, 32.9498, 26.3894**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.6746, 32.9498, 26.3894.



This preview shows how white text looks on a background with the XYZ color 20.6746, 32.9498,



# 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

20.6746, 32.9498, 26.3894

### Protanopia

30.2556, 32.3598, 22.4207

### Deuteranopia

33.0959, 32.5026, 27.8218



## Tritanopia

25.1938, 32.7991, 49.2590

# Trichromacy



## Original Color

20.6746, 32.9498, 26.3894



## Protanomaly

24.7268, 31.5069, 23.8470



## Deuteranomaly

25.7359, 30.9208, 27.1661



## Tritanomaly

23.3537, 32.8940, 39.7686

# Monochromacy



## Original Color

20.6746, 32.9498, 26.3894



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

20.1661, 25.6433, 25.3595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.6746, 32.9498, 26.3894 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(50, 175, 130)` looks like.

```
.text, #text, p{  
    color:rgb(50, 175, 130)  
}
```

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(50, 175, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 175, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 20.6746, 32.9498, 26.3894 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(50, 175, 130) }
```



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

```
.border{ border-color:rgb(50, 175, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 175, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 175, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 175, 130);  
box-shadow:4px 4px 4px 4px rgb(50, 175,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.6746, 32.9498, 26.3894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 175, 130) }
```

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

```
.background{ background-color: rgb(50, 175,  
130) }
```

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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