

Converting Colors

XYZ(20.7911, 27.0633, 9.8818)

Have a look what the booklet for
XYZ(20.7911, 27.0633, 9.8818)
contains.

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Color

**XYZ(20.7763, 27.0110,
9.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	7E9746
RGB	126, 151, 70
RGB Percent	49%, 59%, 27%
CMY	0.5059, 0.4078, 0.7255
CMYK	0.17, 0.00, 0.54, 0.41
HSL	79°, 37%, 43%
HSV	79°, 54%, 59%
XYZ	20.7763, 27.0110, 9.9130
YIQ	134.2910, 11.1010, -30.4910

Conversions

Conversions Part 2

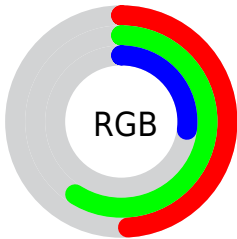
Format	Color
RYB	70, 151, 95
Decimal	8296262
CIELab	58.98, -22.01, 39.31
CIELCh	59, 45.055, 119.250
Yxy	27.0110, 0.3601, 0.4681
Android (android.graphics.Color)	4286486342 (0xFF7E9746)
YUV	134.2910, -31.6955, -7.2712
Hunter-Lab	51.9721, -19.5943, 25.0717

Details

The XYZ color **20.7763, 27.0110, 9.9130** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.4964, 9.0483, 30.3675**, and the grayscale version is **22.8779, 24.0694, 26.2115**.

A 20% lighter version of the original color is **44.1049, 54.7464, 26.3317**, and **7.5851, 10.6607, 2.3198** is the 20% darker color. If you saturate the color by 10%, you get **19.6872, 26.4987, 7.6793**, and if you desaturate by 10%, it is **22.0187, 27.5902, 12.7807**.

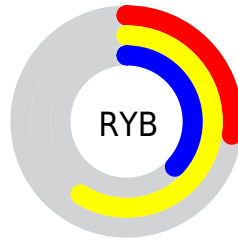
Distribution



Red (49%)

Green (59%)

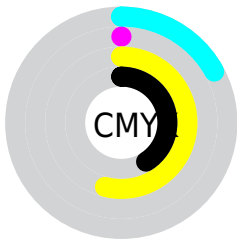
Blue (27%)



Red (27%)

Yellow (59%)

Blue (37%)

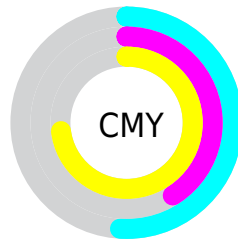


Cyan (17%)

Magenta (0%)

Yellow (54%)

Black (41%)



Cyan (51%)

Magenta (41%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7763, 27.0110, 9.9130 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 20.7763, 27.0110, 9.9130 by changing the saturation by 10% instead.

■ 20.7763, 27.0110,
9.9130

■ 20.7763, 27.0110,
9.9130

248.8415,
287.7104, 200.5122

■ 13.0721, 17.5815,
5.2365

■ 44.2090, 54.9015,
26.2370

■ 7.5556, 10.6499,
2.3255

■ 60.6683, 74.1313,
38.7215

■ 3.8613, 5.8320,
0.7455

■ 80.7766, 97.3967,
54.6458

■ 1.6240, 2.7432,
0.0000

■ 104.8993,
125.0819, 74.4283

■ 0.4080, 0.9992,
0.0000

■ 133.4018,
157.5716, 98.4877

■ 0.0000, 0.0000,
0.0000

166.6494,

195.2499, 127.2425

205.0076,
238.5014, 161.1111

■ 20.7763, 27.0110,
9.9130

■ 20.7763, 27.0110,
9.9130

■ 19.6872, 26.4987,
7.6793

■ 22.0187, 27.5902,
12.7807

■ 18.7397, 26.0458,
6.0295

■ 23.4209, 28.2361,
16.3239

■ 17.9236, 25.6491,
4.9090

■ 24.9916, 28.9532,
20.5827

■ 17.2260, 25.3033,
4.2518

■ 26.7382, 29.7444,
25.5935

■ 16.8217, 25.1009,
3.9584

■ 28.6673, 30.6126,
31.3903

■ 30.7855, 31.5604,
38.0049

■ 33.0989, 32.5902,
45.4674

■ 35.6133, 33.7045,
53.8065

■ 38.3342, 34.9054,
63.0494

Harmonies

Analogous

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



25.8140, 27.0110, 8.1340



20.7763, 27.0110, 9.9130



17.5074, 27.0110, 16.3237

Triad

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



20.7763, 27.0110, 9.9130



20.5656, 27.0110, 64.5405



37.9747, 27.0110, 29.8148

Complementary

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



20.7763, 27.0110, 9.9130



12.4964, 9.0483, 30.3675

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.



36.0497, 27.0110, 48.0998



20.7763, 27.0110, 9.9130



25.5328, 27.0110, 72.1149

Square

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



20.7763, 27.0110, 9.9130



17.3987, 27.0110, 47.1383



31.2846, 27.0110, 65.2228



36.2263, 27.0110, 16.7992

Rectangle

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



20.7763, 27.0110, 9.9130



16.5037, 27.0110, 24.0397



31.2846, 27.0110, 65.2228



37.7318, 27.0110, 35.5268

Sweetspot

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



20.7769, 27.0122, 9.9136



47.0131, 52.8732, 43.2935



17.8984, 15.0812, 7.7624



10.5501, 11.9561, 9.4490



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.7769, 27.0122, 9.9136



34.9604, 47.3134, 13.1983



16.0292, 24.5646, 9.6914



6.5233, 7.1272, 6.6377



14.3399, 21.3684, 3.3687



0.2511, 0.3384, 0.0521

Inverse Universe

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



12.4964, 9.0483, 30.3675



18.6024, 11.7496, 53.7211



17.7366, 11.7497, 30.6127



6.0549, 6.1142, 7.7900



5.7606, 2.4208, 25.0713



0.1203, 0.0538, 0.3764

Previews

White Background



This preview shows how the XYZ color 20.7763, 27.0110, 9.9130 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 20.7763, 27.0110, 9.9130 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 20.7763, 27.0110, 9.9130

Background



This preview shows how black text looks on a background with the XYZ color 20.7763, 27.0110, 9.9130.



This preview shows how white text looks on a background with the XYZ color 20.7763, 27.0110,

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

20.7763, 27.0110, 9.9130

Protanopia

24.5907, 26.9193, 9.2101

Deuteranopia

27.3556, 26.8210, 10.2137



Tritanopia

25.5761, 26.8801, 33.9774

Trichromacy



Original Color

20.7763, 27.0110, 9.9130

Protanomaly

23.0228, 26.7791, 9.4243

Deuteranomaly

24.6321, 26.6989, 10.1585

Tritanomaly

23.2163, 26.5864, 22.6470

Monochromacy



Original Color

20.7763, 27.0110, 9.9130

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.6074, 24.7292, 18.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7763, 27.0110, 9.9130 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(126, 151, 70)` looks like.

```
.text, #text, p{  
    color:rgb(126, 151, 70)  
}
```

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(126, 151, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 151, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.7763, 27.0110, 9.9130 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(126, 151, 70) }
```


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

```
.border{ border-color:rgb(126, 151, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 151, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 151, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 151, 70);  
box-shadow:4px 4px 4px 4px rgb(126, 151,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7763, 27.0110, 9.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 151, 70) }
```

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

```
.background{ background-color: rgb(126,  
151, 70) }
```

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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