

Converting Colors

XYZ(20.8925, 27.7860, 24.7072)

Have a look what the booklet for
XYZ(20.8925, 27.7860, 24.7072)
contains.

XYZ(20.8732, 27.7105, 24.6706)	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(20.8732, 27.7105,
24.6706)**

Conversions

Conversions Part 1

Format	Color
Hex	649B80
RGB	100, 155, 128
RGB Percent	39%, 61%, 50%
CMY	0.6078, 0.3921, 0.4980
CMYK	0.35, 0.00, 0.17, 0.39
HSL	151°, 22%, 50%
HSV	151°, 35%, 61%
XYZ	20.8732, 27.7105, 24.6706
YIQ	135.4770, -24.1130, -20.0570

Conversions

Conversions Part 2

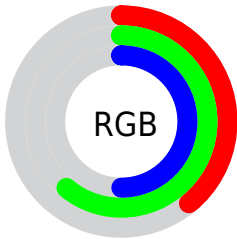
Format	Color
RYB	100, 136, 155
Decimal	6593408
CIELab	59.63, -24.31, 8.46
CIElCh	60, 25.744, 160.810
Yxy	27.7105, 0.2849, 0.3783
Android (android.graphics.Color)	4284783488 (0xFF649B80)
YUV	135.4770, -3.6862, -31.1133
Hunter-Lab	52.6408, -21.3422, 9.0617

Details

The XYZ color **20.8732, 27.7105, 24.6706** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.9065, 17.6160, 22.3256**, and the grayscale version is **23.2268, 24.4364, 26.6112**.

A 20% lighter version of the original color is **44.5240, 56.2017, 52.2174**, and **7.5769, 10.9431, 9.1100** is the 20% darker color. If you saturate the color by 10%, you get **18.8371, 26.7173, 22.0583**, and if you desaturate by 10%, it is **23.2746, 28.8892, 27.4973**.

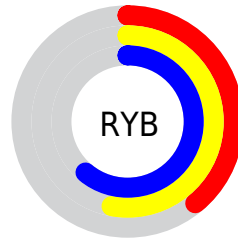
Distribution



Red (39%)

Green (61%)

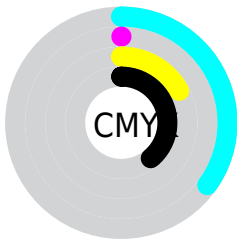
Blue (50%)



Red (39%)

Yellow (53%)

Blue (61%)

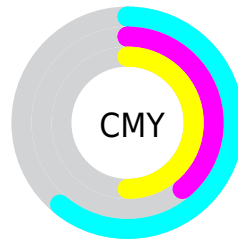


Cyan (35%)

Magenta (0%)

Yellow (17%)

Black (39%)



Cyan (61%)

Magenta (39%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8732, 27.7105, 24.6706 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 20.8732, 27.7105, 24.6706 by changing the saturation by 10% instead.

■ 20.8732, 27.7105,
24.6706

■ 20.8732, 27.7105,
24.6706

249.3483,
291.0810, 289.5885

■ 13.1433, 18.1075,
15.6150

■ 44.3693, 56.0219,
52.0798

■ 7.6050, 11.0272,
9.1008

■ 60.8661, 75.4992,
71.2705

■ 3.8929, 6.0852,
4.7093

■ 81.0160, 99.0366,
94.6767

■ 1.6417, 2.8969,
2.0220

■ 105.1843,
127.0187, 122.7169

■ 0.4194, 1.0782,
0.5687

133.7363,
159.8298, 155.8096

■ 0.0000, 0.0000,
0.0000

167.0374,

197.8542, 194.3734

205.4530,
241.4765, 238.8269

■ 20.8732, 27.7105,
24.6706

■ 20.8732, 27.7105,
24.6706

■ 18.8371, 26.7173,
22.0583

■ 23.2746, 28.8892,
27.4973

■ 17.1446, 25.8963,
19.6534

■ 26.0570, 30.2590,
30.5415

■ 15.7752, 25.2377,
17.4511

■ 29.2376, 31.8297,
33.8086

■ 14.7052, 24.7293,
15.4456

■ 32.8323, 33.6092,
37.3033

■ 13.9073, 24.3574,
13.6309

■ 36.8557, 35.6050,
41.0300

■ 13.3456, 24.1033,
12.0004

■ 41.3219, 37.8243,
44.9931

■ 13.1297, 24.0068,
11.3212

■ 46.2443, 40.2740,
49.1969

■ 51.6357, 42.9605,
53.6454

■ 57.5085, 45.8901,
58.3426

Harmonies

Analogous

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



22.4666, 27.7105, 18.5661



20.8732, 27.7105, 24.6706



20.6717, 27.7105, 33.6495

Triad

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



20.8732, 27.7105, 24.6706



27.5258, 27.7105, 51.3508



31.3490, 27.7105, 19.9344

Complementary

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



20.8732, 27.7105, 24.6706



21.9065, 17.6160, 22.3256

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.



32.9552, 27.7105, 26.9428



20.8732, 27.7105, 24.6706



30.6304, 27.7105, 45.8207

Square

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



20.8732, 27.7105, 24.6706



24.3396, 27.7105, 50.3933



32.6820, 27.7105, 36.4359



28.4429, 27.7105, 16.2453

Rectangle

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



20.8732, 27.7105, 24.6706



21.3338, 27.7105, 40.2825



32.6820, 27.7105, 36.4359



32.0693, 27.7105, 21.9129

Sweetspot

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



20.8740, 27.7116, 24.6712



49.0062, 55.3445, 57.1428



22.8496, 28.9145, 16.4339



10.9342, 12.4489, 12.7703



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.8740, 27.7116, 24.6712



34.2905, 48.1171, 40.2464



22.8942, 28.5197, 35.3098



6.2568, 6.9754, 7.2756



10.5648, 19.2894, 9.1946



0.1763, 0.2957, 0.2342

Inverse Universe

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



21.9065, 17.6160, 22.3256



36.4355, 27.1483, 35.3762



20.3759, 17.0037, 14.2653



6.3288, 6.2707, 7.1118



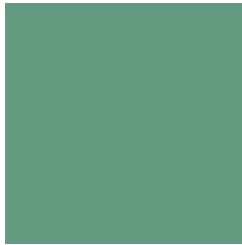
11.9270, 6.0250, 6.1407



0.1966, 0.0974, 0.1882

Previews

White Background



This preview shows how the XYZ color 20.8732, 27.7105, 24.6706 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 20.8732, 27.7105, 24.6706 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 20.8732, 27.7105, 24.6706

Background



This preview shows how black text looks on a background with the XYZ color 20.8732, 27.7105, 24.6706.

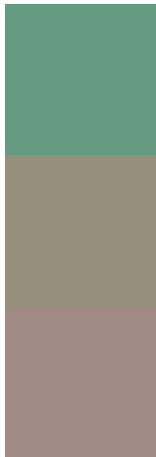


This preview shows how white text looks on a background with the XYZ color 20.8732, 27.7105,

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

20.8732, 27.7105, 24.6706

Protanopia

25.9130, 27.5341, 22.3612

Deuteranopia

27.9513, 27.4200, 25.6492



Tritanopia

23.6123, 27.6095, 38.2671

Trichromacy



Original Color

20.8732, 27.7105, 24.6706

Protanomaly

23.5875, 27.2282, 23.0812

Deuteranomaly

24.7175, 27.0742, 25.3958

Tritanomaly

22.5590, 27.6617, 33.0044

Monochromacy



Original Color

20.8732, 27.7105, 24.6706

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.8639, 25.1495, 25.5318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8732, 27.7105, 24.6706 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(100, 155, 128)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 128)  
}
```

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(100, 155, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.8732, 27.7105, 24.6706 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(100, 155, 128) }
```


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

```
.border{ border-color:rgb(100, 155, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 128);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8732, 27.7105, 24.6706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 128) }
```

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

```
.background{ background-color: rgb(100,  
155, 128) }
```

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