

Converting Colors

XYZ(22.6696, 38.8784, 27.4746)

Have a look what the booklet for
XYZ(22.6696, 38.8784, 27.4746)
contains.

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Color

**XYZ(22.6601, 38.8733,
27.4281)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF82
RGB	0, 191, 130
RGB Percent	0%, 75%, 51%
CMY	0.9999, 0.2510, 0.4902
CMYK	1.00, 0.00, 0.32, 0.25
HSL	161°, 100%, 37%
HSV	161°, 100%, 75%
XYZ	22.6601, 38.8733, 27.4281
YIQ	126.9370, -94.2550, -59.4630

Conversions

Conversions Part 2

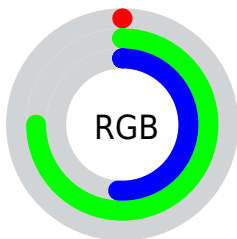
Format	Color
RYB	0, 114, 191
Decimal	49026
CIELab	68.66, -54.88, 19.65
CIELCh	69, 58.289, 160.296
Yxy	38.8733, 0.2547, 0.4370
Android (android.graphics.Color)	4278239106 (0xFF00BF82)
YUV	126.9370, 1.5101, -111.3237
Hunter-Lab	62.3485, -44.2353, 17.5613

Details

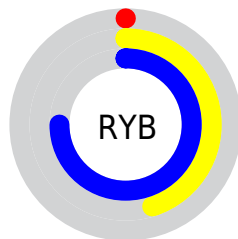
The XYZ color **22.6601, 38.8733, 27.4281** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **22.3298, 11.4144, 5.4443**, and the grayscale version is **20.1719, 21.2225, 23.1113**.

A 20% lighter version of the original color is **47.1516, 73.1504, 56.4340**, and **10.2521, 18.1875, 10.5596** is the 20% darker color. If you saturate the color by 10%, you get **22.6604, 38.8745, 27.4266**, and if you desaturate by 10%, it is **23.3536, 39.1831, 29.6631**.

Distribution



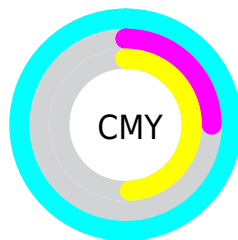
- Red (0%)
- Green (75%)
- Blue (51%)



- Red (0%)
- Yellow (45%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6601, 38.8733, 27.4281 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 22.6601, 38.8733, 27.4281 by changing the saturation by 10% instead.


 22.6601, 38.8733,
27.4281


 22.6601, 38.8733,
27.4281


258.5424,
341.3515, 303.5495


 14.4620, 26.6612,
17.6597


 47.3054, 73.4447,
56.5821


 8.5266, 17.3189,
10.5391


 64.4833, 96.5728,
76.8049


 4.4883, 10.4621,
5.6476


 85.3853, 124.1084,
101.3495

 1.9819, 5.7064,
2.5667

 110.3765,
156.4357, 130.6345

 0.6238, 2.6674,
0.8752

 139.8226,
193.9393, 165.0785

 0.0000, 0.9607,
0.0000

 174.0886,

 0.0000, 0.0000,

237.0036, 205.0999

0.0000

213.5401,
286.0128, 251.1174

■ 22.6601, 38.8733,
27.4281

■ 22.6601, 38.8733,
27.4281

■ 22.6604, 38.8745,
27.4266

■ 23.3536, 39.1831,
29.6631

■ 24.3368, 39.6383,
32.0397

■ 25.7066, 40.2901,
34.5653

■ 27.5121, 41.1634,
37.2443

■ 29.7948, 42.2797,
40.0806

■ 32.5909, 43.6577,
43.0779

■ 35.9334, 45.3144,
46.2395

■ 39.8523, 47.2650,
49.5688

■ 44.3753, 49.5239,
53.0688

Harmonies

Analogous

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



26.6393, 38.8733, 14.2347



22.6601, 38.8733, 27.4281



22.1218, 38.8733, 52.0513

Triad

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



22.6601, 38.8733, 27.4281



40.2035, 38.8733, 114.3874



52.1644, 38.8733, 17.2727

Complementary

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



22.6601, 38.8733, 27.4281



22.3298, 11.4144, 5.4443

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.



57.2497, 38.8733, 33.8951



22.6601, 38.8733, 27.4281



49.6223, 38.8733, 93.9779

Square

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



22.6601, 38.8733, 27.4281



31.2939, 38.8733, 110.2612



56.2491, 38.8733, 61.8288



43.2450, 38.8733, 10.2864

Rectangle

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



22.6601, 38.8733, 27.4281



23.6718, 38.8733, 73.4054



56.2491, 38.8733, 61.8288



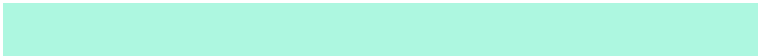
54.4410, 38.8733, 21.5535

Sweetspot

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



22.6611, 38.8748, 27.4290



64.0405, 80.9993, 82.5304



20.7253, 38.3423, 6.3091



13.4791, 17.4972, 17.5855



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.6611, 38.8748, 27.4290



40.4679, 69.5758, 48.5109



21.8324, 28.6176, 53.6650



9.6754, 10.7563, 11.5400



14.9295, 25.5621, 18.2236



0.6134, 1.0127, 0.8642

Inverse Universe

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



22.3298, 11.4144, 5.4443



39.8928, 20.4024, 9.2336



21.9993, 12.1018, 1.1770



9.6524, 9.5853, 10.5584



14.7068, 7.5139, 3.7495



0.6066, 0.3066, 0.3079

Previews

White Background



This preview shows how the XYZ color 22.6601, 38.8733, 27.4281 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 22.6601, 38.8733, 27.4281 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 22.6601, 38.8733, 27.4281

Background



This preview shows how black text looks on a background with the XYZ color 22.6601, 38.8733, 27.4281.



This preview shows how white text looks on a background with the XYZ color 22.6601, 38.8733,

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

22.6601, 38.8733, 27.4281

Protanopia

35.5564, 38.1881, 22.9498

Deuteranopia

38.8244, 38.1542, 28.9851



Tritanopia

29.1915, 39.0220, 58.8168

Trichromacy



Original Color

22.6601, 38.8733, 27.4281



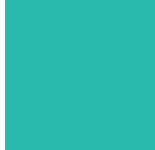
Protanomaly

25.8446, 35.6674, 24.2612



Deuteranomaly

26.8920, 34.9846, 27.8896



Tritanomaly

26.0162, 38.6064, 45.6157

Monochromacy



Original Color

22.6601, 38.8733, 27.4281



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.1960, 25.1205, 24.3118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6601, 38.8733, 27.4281 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(0, 191, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 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(0, 191, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 130) }
```

Border

The CSS property to change the border of an element to XYZ 22.6601, 38.8733, 27.4281 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(0, 191, 130) }
```


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

```
.border{ border-color:rgb(0, 191, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6601, 38.8733, 27.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 130) }
```

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

```
.background{ background-color: rgb(0, 191,  
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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