

Converting Colors

XYZ(11.2029, 22.0407, 12.2585)

Have a look what the booklet for
XYZ(11.2029, 22.0407, 12.2585)
contains.

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Color

**XYZ(12.7063, 22.7891,
12.3234)**

Conversions

Conversions Part 1

Format	Color
Hex	009755
RGB	0, 151, 85
RGB Percent	0%, 59%, 33%
CMY	1.0000, 0.4078, 0.6667
CMYK	1.00, 0.00, 0.44, 0.41
HSL	154°, 100%, 30%
HSV	154°, 100%, 59%
XYZ	12.7063, 22.7891, 12.3234
YIQ	98.3270, -68.8100, -52.5380

Conversions

Conversions Part 2

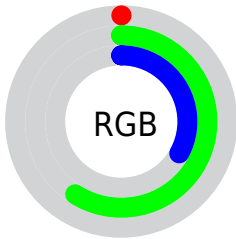
Format	Color
RYB	0, 97, 151
Decimal	38741
CIELab	54.85, -49.75, 25.42
CIELCh	55, 55.865, 152.934
Yxy	22.7891, 0.2657, 0.4766
Android (android.graphics.Color)	4278228821 (0xFF009755)
YUV	98.3270, -6.5702, -86.2328
Hunter-Lab	47.7379, -36.0304, 18.1110

Details

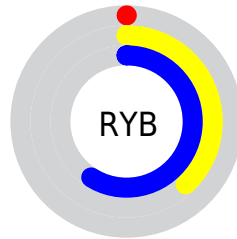
The XYZ color **12.7063, 22.7891, 12.3234** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.7466, 6.9731, 5.7767**, and the grayscale version is **11.7199, 12.3303, 13.4277**.

A 20% lighter version of the original color is **30.2822, 47.8703, 30.5655**, and **4.8117, 9.0636, 3.3296** is the 20% darker color. If you saturate the color by 10%, you get **12.7067, 22.7899, 12.3234**, and if you desaturate by 10%, it is **13.1802, 23.0023, 13.7795**.

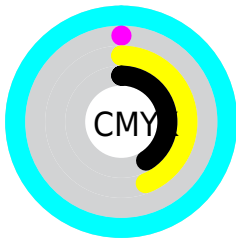
Distribution



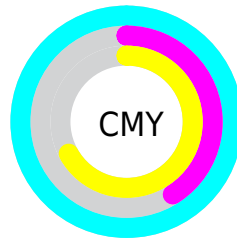
- Red (0%)
- Green (59%)
- Blue (33%)



- Red (0%)
- Yellow (38%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7063, 22.7891, 12.3234 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 12.7063, 22.7891, 12.3234 by changing the saturation by 10% instead.

■ 12.7063, 22.7891,
12.3234

■ 12.7063, 22.7891,
12.3234

202.7026,
266.6399, 217.5880

■ 7.3022, 14.4379,
6.8391

■ 30.3809, 48.0468,
30.7559

■ 3.6998, 8.4258,
3.2848

■ 43.3822, 65.7220,
44.5412

■ 1.5338, 4.3686,
1.2418

■ 59.6466, 87.2741,
61.9306

■ 0.3486, 1.8818,
0.0134

■ 79.5395, 113.0873,
83.3427

■ 0.0000, 0.5374,
0.0000

■ 103.4261,
143.5461, 109.1959

■ 0.0000, 0.0000,
0.0000

■ 131.6720,

179.0349, 139.9089

164.6423,
219.9380, 175.9000

■ 12.7063, 22.7891,
12.3234

■ 12.7063, 22.7891,
12.3234

■ 12.7067, 22.7899,
12.3234

■ 13.1802, 23.0023,
13.7795

■ 13.8227, 23.2989,
15.3741

■ 14.7025, 23.7148,
17.1141

■ 15.8467, 24.2641,
19.0038

■ 17.2788, 24.9586,
21.0475

■ 19.0192, 25.8089,
23.2488

■ 21.0868, 26.8246,
25.6117

■ 23.4986, 28.0145,
28.1395

■ 26.2706, 29.3867,
30.8357

Harmonies

Analogous

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



15.8195, 22.7891, 5.8054



12.7063, 22.7891, 12.3234



11.8261, 22.7891, 26.5968

Triad

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



12.7063, 22.7891, 12.3234



22.2744, 22.7891, 76.7003



33.2465, 22.7891, 10.5261

Complementary

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



12.7063, 22.7891, 12.3234



13.7466, 6.9731, 5.7767

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.



35.8317, 22.7891, 23.1117



12.7063, 22.7891, 12.3234



28.7865, 22.7891, 65.7533

Square

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



12.7063, 22.7891, 12.3234



16.6895, 22.7891, 69.1463



34.0626, 22.7891, 43.7497



27.5315, 22.7891, 5.1687

Rectangle

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



12.7063, 22.7891, 12.3234



12.4541, 22.7891, 40.5824



34.0626, 22.7891, 43.7497



34.5548, 22.7891, 13.7720

Sweetspot

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



12.7069, 22.7900, 12.3239



37.5215, 47.9191, 45.6015



13.4478, 23.3614, 3.8006



8.1886, 10.7244, 9.9851



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.



12.7069, 22.7900, 12.3239



22.6621, 40.7752, 21.5782



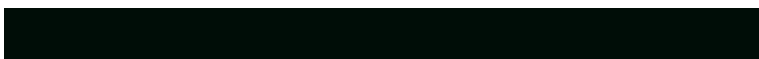
15.4768, 22.0156, 32.7130



6.2704, 6.9809, 7.3475



10.8240, 19.3931, 10.5597



0.1801, 0.2972, 0.2540

Inverse Universe

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



13.7466, 6.9731, 5.7767



24.5288, 12.4518, 9.8777



12.8450, 6.7436, 0.6248



6.3153, 6.2653, 7.0406



11.7079, 5.9374, 4.9868



0.1929, 0.0959, 0.1684

Previews

White Background



This preview shows how the XYZ color 12.7063, 22.7891, 12.3234 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 12.7063, 22.7891, 12.3234 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 12.7063, 22.7891, 12.3234

Background



This preview shows how black text looks on a background with the XYZ color 12.7063, 22.7891, 12.3234.



This preview shows how white text looks on a background with the XYZ color 12.7063, 22.7891,

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

12.7063, 22.7891, 12.3234

Protanopia

20.7835, 22.6081, 10.2896

Deuteranopia

22.9322, 22.4905, 13.0300



Tritanopia

17.3697, 22.8522, 34.5058

Trichromacy



Original Color

12.7063, 22.7891, 12.3234



Protanomaly

14.8508, 20.9803, 10.8563



Deuteranomaly

15.4739, 20.4241, 12.5779



Tritanomaly

15.0357, 22.5445, 24.6782

Monochromacy



Original Color

12.7063, 22.7891, 12.3234



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.3237, 14.5370, 12.6177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7063, 22.7891, 12.3234 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, 151, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 85)  
}
```

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, 151, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.7063, 22.7891, 12.3234 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, 151, 85) }
```


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

```
.border{ border-color:rgb(0, 151, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7063, 22.7891, 12.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 85) }
```

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

```
.background{ background-color: rgb(0, 151,  
85) }
```

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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