

Converting Colors

XYZ(22.6379, 43.6051, 12.6950)

Have a look what the booklet for
XYZ(22.6379, 43.6051, 12.6950)
contains.

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Color

**XYZ(22.6363, 43.6031,
12.6920)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC44
RGB	0, 204, 68
RGB Percent	0%, 80%, 27%
CMY	1.0000, 0.2000, 0.7333
CMYK	1.00, 0.00, 0.67, 0.20
HSL	140°, 100%, 40%
HSV	140°, 100%, 80%
XYZ	22.6363, 43.6031, 12.6920
YIQ	127.5000, -77.9280, -85.5440

Conversions

Conversions Part 2

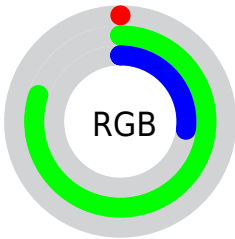
Format	Color
RYB	0, 153, 204
Decimal	52292
CIELab	71.96, -69.22, 53.96
CIELCh	72, 87.769, 142.062
Yxy	43.6031, 0.2868, 0.5524
Android (android.graphics.Color)	4278242372 (0xFF00CC44)
YUV	127.5000, -29.3335, -111.8175
Hunter-Lab	66.0326, -54.3665, 34.8268

Details

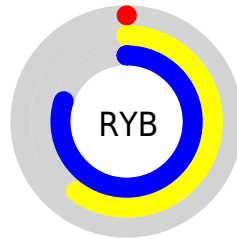
The XYZ color **22.6363, 43.6031, 12.6920** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.3475, 14.6159, 24.5701**, and the grayscale version is **20.4639, 21.5297, 23.4458**.

A 20% lighter version of the original color is **44.8664, 75.8087, 30.6802**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **22.6370, 43.6048, 12.6920**, and if you desaturate by 10%, it is **23.3986, 43.9437, 15.1528**.

Distribution



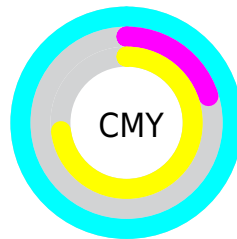
- Red (0%)
- Green (80%)
- Blue (27%)



- Red (0%)
- Yellow (60%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6363, 43.6031, 12.6920 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 22.6363, 43.6031, 12.6920 by changing the saturation by 10% instead.

■ 22.6363, 43.6031,
12.6920

■ 22.6363, 43.6031,
12.6920

258.4218,
361.0862, 220.0723

■ 14.4444, 30.3586,
7.0886

■ 47.2665, 80.6202,
31.4324

■ 8.5142, 20.1109,
3.4383

■ 64.4355, 105.1615,
45.4064

■ 4.4802, 12.4757,
1.3225

■ 85.3276, 134.2373,
63.0077

■ 1.9772, 7.0685,
0.0802

■ 110.3082,
168.2319, 84.6548

■ 0.6211, 3.5050,
0.0000

■ 139.7425,
207.5297, 110.7663

■ 0.0000, 1.4007,
0.0000

173.9960,

■ 0.0000, 0.2173,

252.5151, 141.7606

0.0000

213.4339,
303.5724, 178.0565

■ 0.0000, 0.0000,
0.0000

■ 22.6363, 43.6031,
12.6920

■ 22.6363, 43.6031,
12.6920

■ 22.6370, 43.6048,
12.6920

■ 23.3986, 43.9437,
15.1528

■ 24.5755, 44.4849,
18.1666

■ 26.2810, 45.2862,
21.7692

■ 28.5777, 46.3791,
25.9905

■ 31.5189, 47.7906,
30.8584

■ 35.1516, 49.5445,
36.3991

■ 39.5183, 51.6621,
42.6371

■ 44.6582, 54.1630,
49.5958

■ 50.6072, 57.0656,
57.2974

Harmonies

Analogous

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



31.5456, 43.6031, 4.7320



22.6363, 43.6031, 12.6920



18.9740, 43.6031, 36.9787

Triad

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



22.6363, 43.6031, 12.6920



37.5945, 43.6031, 184.8474



74.2491, 43.6031, 22.7581

Complementary

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



22.6363, 43.6031, 12.6920



29.3475, 14.6159, 24.5701

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.



76.9839, 43.6031, 59.7936



22.6363, 43.6031, 12.6920



53.2212, 43.6031, 172.1662

Square

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



22.6363, 43.6031, 12.6920



26.1474, 43.6031, 146.6712



68.5390, 43.6031, 118.3229



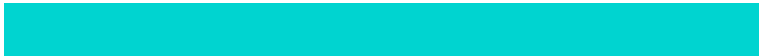
61.7762, 43.6031, 7.6251

Rectangle

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



22.6363, 43.6031, 12.6920



19.1884, 43.6031, 66.8685



68.5390, 43.6031, 118.3229



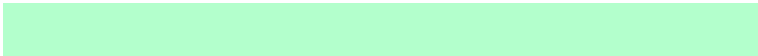
76.4417, 43.6031, 32.2505

Sweetspot

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



22.6373, 43.6049, 12.6930



65.1340, 85.4038, 70.1777



32.3090, 48.7114, 7.6996



13.2521, 17.9454, 14.0500



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.6373, 43.6049, 12.6930



37.3995, 72.1758, 20.5537



28.5324, 45.9629, 43.7358



11.2197, 12.5976, 12.7144



14.2864, 27.4598, 8.1929



0.7722, 1.4307, 0.6078

Inverse Universe

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



29.3475, 14.6159, 24.5701



48.4961, 24.1624, 40.1399



25.2433, 12.9742, 2.9579



11.5224, 11.3377, 13.2855



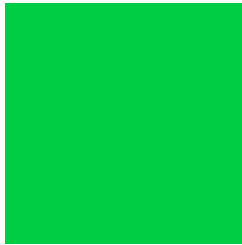
18.5154, 9.2168, 15.6988



0.9895, 0.4892, 0.9905

Previews

White Background



This preview shows how the XYZ color 22.6363, 43.6031, 12.6920 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 22.6363, 43.6031, 12.6920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

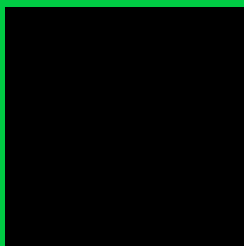
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6363, 43.6031, 12.6920

Background



This preview shows how black text looks on a background with the XYZ color 22.6363, 43.6031, 12.6920.



This preview shows how white text looks on a background with the XYZ color 22.6363, 43.6031,

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

22.6363, 43.6031, 12.6920

Protanopia

38.9105, 42.7220, 10.4703

Deuteranopia

43.4031, 42.4506, 13.4956



Tritanopia

33.3387, 43.5568, 65.0427

Trichromacy



Original Color

22.6363, 43.6031, 12.6920



Protanomaly

26.9136, 39.8367, 10.9734



Deuteranomaly

27.9423, 38.4827, 12.7927



Tritanomaly

27.2089, 42.6370, 38.2482

Monochromacy



Original Color

22.6363, 43.6031, 12.6920



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.8833, 26.5669, 17.8210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6363, 43.6031, 12.6920 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, 204, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 68)  
}
```

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, 204, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 68) }
```

Border

The CSS property to change the border of an element to XYZ 22.6363, 43.6031, 12.6920 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, 204, 68) }
```


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

```
.border{ border-color:rgb(0, 204, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.6363, 43.6031, 12.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 68) }
```

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

```
.background{ background-color: rgb(0, 204,  
68) }
```

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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