

Converting Colors

XYZ(12.2720, 23.1348, 8.4350)

Have a look what the booklet for
XYZ(12.2720, 23.1348, 8.4350)
contains.

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Color

**XYZ(12.2607, 23.1303,
8.3758)**

Conversions

Conversions Part 1

Format	Color
Hex	00993E
RGB	0, 153, 62
RGB Percent	0%, 60%, 24%
CMY	1.0000, 0.4000, 0.7569
CMYK	1.00, 0.00, 0.59, 0.40
HSL	144°, 100%, 30%
HSV	144°, 100%, 60%
XYZ	12.2607, 23.1303, 8.3758
YIQ	96.8790, -61.9770, -60.7370

Conversions

Conversions Part 2

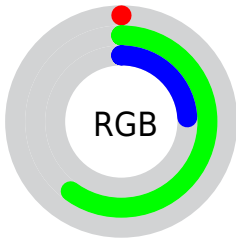
Format	Color
RYB	0, 109, 153
Decimal	39230
CIELab	55.21, -54.29, 37.71
CIELCh	55, 66.100, 145.214
Yxy	23.1303, 0.2801, 0.5285
Android (android.graphics.Color)	4278229310 (0xFF00993E)
YUV	96.8790, -17.1953, -84.9629
Hunter-Lab	48.0940, -38.6591, 23.3401

Details

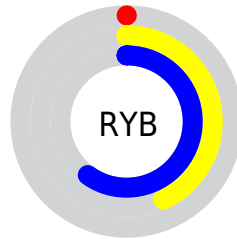
The XYZ color **12.2607, 23.1303, 8.3758** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.0258, 7.5279, 10.5587**, and the grayscale version is **11.3847, 11.9776, 13.0436**.

A 20% lighter version of the original color is **29.6556, 48.7970, 23.1850**, and **4.6120, 9.1363, 1.8076** is the 20% darker color. If you saturate the color by 10%, you get **12.2613, 23.1313, 8.3763**, and if you desaturate by 10%, it is **12.7343, 23.3438, 9.8131**.

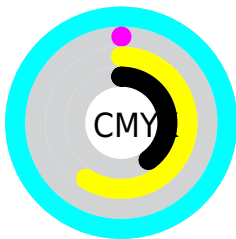
Distribution



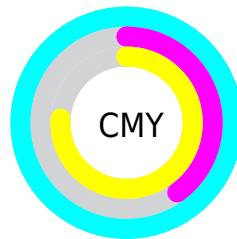
- Red (0%)
- Green (60%)
- Blue (24%)



- Red (0%)
- Yellow (43%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2607, 23.1303, 8.3758 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 12.2607, 23.1303, 8.3758 by changing the saturation by 10% instead.

■ 12.2607, 23.1303,
8.3758

■ 12.2607, 23.1303,
8.3758

199.8585,
268.3935, 188.6939

■ 6.9949, 14.6897,
4.2451

■ 29.5818, 48.6072,
23.2501

■ 3.5052, 8.6019,
1.7608

■ 42.3678, 66.4123,
34.8309

■ 1.4262, 4.4825,
0.4019

■ 58.3913, 88.1078,
49.7321

■ 0.2748, 1.9469,
0.0000

■ 78.0177, 114.0779,
68.3723

■ 0.0000, 0.5764,
0.0000

■ 101.6122,
144.7072, 91.1701

■ 0.0000, 0.0000,
0.0000

■ 129.5403,

180.3799, 118.5439

162.1673,
221.4806, 150.9123

■ 12.2607, 23.1303,
8.3758

■ 12.2607, 23.1303,
8.3758

■ 12.2613, 23.1313,
8.3763

■ 12.7343, 23.3438,
9.8131

■ 13.4003, 23.6508,
11.4875

■ 14.3299, 24.0883,
13.4122

■ 15.5523, 24.6714,
15.5976

■ 17.0926, 25.4127,
18.0533

■ 18.9731, 26.3236,
20.7884

■ 21.2141, 27.4143,
23.8116

■ 23.8341, 28.6942,
27.1313

■ 26.8504, 30.1720,
30.7553

Harmonies

Analogous

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



16.4718, 23.1303, 3.3979



12.2607, 23.1303, 8.3758



10.6505, 23.1303, 21.9412

Triad

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



12.2607, 23.1303, 8.3758



20.8208, 23.1303, 91.3621



37.5019, 23.1303, 11.5263

Complementary

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



12.2607, 23.1303, 8.3758



15.0258, 7.5279, 10.5587

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.



39.3943, 23.1303, 28.7336



12.2607, 23.1303, 8.3758



28.6078, 23.1303, 82.8267

Square

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



12.2607, 23.1303, 8.3758



14.8360, 23.1303, 75.5456



35.8354, 23.1303, 56.2516



31.1247, 23.1303, 4.3712

Rectangle

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



12.2607, 23.1303, 8.3758



10.9295, 23.1303, 37.4398



35.8354, 23.1303, 56.2516



38.7366, 23.1303, 15.9468

Sweetspot

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



12.2613, 23.1313, 8.3763



37.7340, 48.9687, 42.3066



15.7856, 25.0485, 4.0029



7.9769, 10.6397, 8.8704



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.



12.2613, 23.1313, 8.3763



21.8707, 41.3890, 14.5427



15.9577, 24.6098, 27.8411



6.2307, 6.9650, 7.1383



10.1491, 19.1231, 7.0055



0.1691, 0.2928, 0.1960

Inverse Universe

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



15.0258, 7.5279, 10.5587



26.8144, 13.4435, 18.4142



13.2258, 6.8079, 1.0802



6.3552, 6.2812, 7.2505



12.4348, 6.2282, 8.8147



0.2039, 0.1003, 0.2264

Previews

White Background



This preview shows how the XYZ color 12.2607, 23.1303, 8.3758 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 12.2607, 23.1303, 8.3758 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 12.2607, 23.1303, 8.3758

Background



This preview shows how black text looks on a background with the XYZ color 12.2607, 23.1303, 8.3758.



This preview shows how white text looks on a background with the XYZ color 12.2607, 23.1303,

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

12.2607, 23.1303, 8.3758

Protanopia

20.8191, 22.8990, 7.0641

Deuteranopia

23.1370, 22.6865, 8.9538



Tritanopia

17.8141, 23.3052, 34.5698

Trichromacy



Original Color

12.2607, 23.1303, 8.3758



Protanomaly

14.6560, 21.3888, 7.3590



Deuteranomaly

15.1566, 20.5580, 8.4794



Tritanomaly

14.7216, 22.6792, 21.6908

Monochromacy



Original Color

12.2607, 23.1303, 8.3758



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.9481, 14.3868, 10.6401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2607, 23.1303, 8.3758 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, 153, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 62)  
}
```

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, 153, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 62) }
```

Border

The CSS property to change the border of an element to XYZ 12.2607, 23.1303, 8.3758 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, 153, 62) }
```


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

```
.border{ border-color:rgb(0, 153, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 62);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2607, 23.1303, 8.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 62) }
```

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

```
.background{ background-color: rgb(0, 153,  
62) }
```

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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