

Converting Colors

XYZ(12.0573, 23.3187, 5.4834)

Have a look what the booklet for
XYZ(12.0573, 23.3187, 5.4834)
contains.

XYZ(12.0560, 23.3341, 5.4586)	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(12.0560, 23.3341,
5.4586)**

Conversions

Conversions Part 1

Format	Color
Hex	0F9A23
RGB	15, 154, 35
RGB Percent	6%, 60%, 14%
CMY	0.9412, 0.3961, 0.8627
CMYK	0.90, 0.00, 0.77, 0.40
HSL	129°, 82%, 33%
HSV	129°, 90%, 60%
XYZ	12.0560, 23.3341, 5.4586
YIQ	98.8730, -44.6450, -66.4770

Conversions

Conversions Part 2

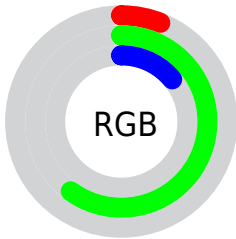
Format	Color
RYB	15, 137, 154
Decimal	1022499
CIELab	55.41, -56.60, 49.38
CIElCh	55, 75.115, 138.896
Yxy	23.3341, 0.2951, 0.5712
Android (android.graphics.Color)	4279212579 (0xFF0F9A23)
YUV	98.8730, -31.4894, -73.5566
Hunter-Lab	48.3054, -39.9846, 27.1139

Details

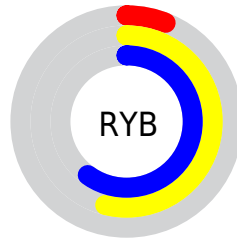
The XYZ color **12.0560, 23.3341, 5.4586** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.8010, 8.9333, 23.3410**, and the grayscale version is **11.9133, 12.5337, 13.6492**.

A 20% lighter version of the original color is **29.3640, 49.1416, 17.3888**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **11.7024, 23.1706, 4.6228**, and if you desaturate by 10%, it is **12.6407, 23.6092, 6.7076**.

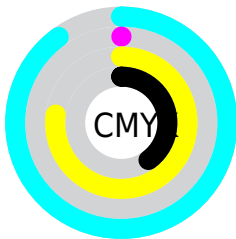
Distribution



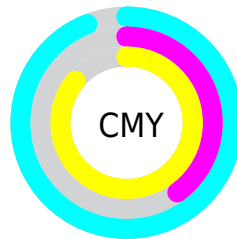
- Red (6%)
- Green (60%)
- Blue (14%)



- Red (6%)
- Yellow (54%)
- Blue (60%)



- Cyan (90%)
- Magenta (0%)
- Yellow (77%)
- Black (40%)





- Cyan (94%)
- Magenta (40%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0560, 23.3341, 5.4586 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 12.0560, 23.3341, 5.4586 by changing the saturation by 10% instead.


 12.0560, 23.3341,
5.4586


 12.0560, 23.3341,
5.4586

198.5380,
269.4364, 163.2717


 6.8543, 14.8404,
2.4554


 29.2130, 48.9413,
17.2542


 3.4167, 8.7074,
0.8164


 41.8991, 66.8237,
26.8837


 1.3777, 4.5509,
0.0000

 57.8106, 88.6043,
39.5590

 0.2403, 1.9862,
0.0000

 77.3130, 114.6677,
55.6986

 0.0000, 0.5995,
0.0000

 100.7715,
145.3982, 75.7212

 0.0000, 0.0000,
0.0000

 128.5517,

181.1802, 100.0452

161.0187,
222.3982, 129.0892

■ 12.0560, 23.3341,
5.4586

■ 12.0560, 23.3341,
5.4586

■ 11.7024, 23.1706,
4.6228

■ 12.6407, 23.6092,
6.7076

■ 13.5264, 24.0294,
8.3930

■ 14.7480, 24.6127,
10.5509

■ 16.3356, 25.3738,
13.2132

■ 18.3155, 26.3258,
16.4090

■ 20.7118, 27.4805,
20.1651

■ 23.5466, 28.8487,
24.5068

■ 26.8404, 30.4406,
29.4574

■ 30.6123, 32.2654,
35.0394

Harmonies

Analogous

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



17.3250, 23.3341, 1.9206



12.0560, 23.3341, 5.4586



9.7568, 23.3341, 17.4623

Triad

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



12.0560, 23.3341, 5.4586



19.1960, 23.3341, 103.7995



41.3587, 23.3341, 13.1276

Complementary

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



12.0560, 23.3341, 5.4586



17.8010, 8.9333, 23.3410

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.



42.2298, 23.3341, 35.4559



12.0560, 23.3341, 5.4586



27.8627, 23.3341, 99.6764

Square

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



12.0560, 23.3341, 5.4586



13.1251, 23.3341, 79.0179



36.7997, 23.3341, 69.8763



34.6564, 23.3341, 4.0077

Rectangle

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



12.0560, 23.3341, 5.4586



9.6941, 23.3341, 33.2967



36.7997, 23.3341, 69.8763



42.3970, 23.3341, 18.8736

Sweetspot

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



12.0565, 23.3351, 5.4591



38.9416, 50.5546, 38.6653



21.7097, 28.3365, 4.7773



8.4692, 11.2763, 8.2188



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.



12.0565, 23.3351, 5.4591



21.2133, 42.0721, 8.1642



14.2031, 24.1937, 16.7628



6.1666, 6.9394, 6.8006



9.5425, 18.8805, 3.8116



0.1508, 0.2855, 0.0998

Inverse Universe

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



17.8010, 8.9333, 23.3410



31.6995, 15.4763, 40.5797



14.4803, 7.6050, 5.8543



6.4230, 6.3084, 7.6076



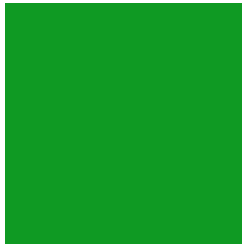
14.2518, 6.9549, 18.3826



0.2222, 0.1076, 0.3231

Previews

White Background



This preview shows how the XYZ color 12.0560, 23.3341, 5.4586 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 12.0560, 23.3341, 5.4586 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

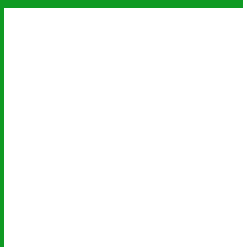
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0560, 23.3341, 5.4586

Background



This preview shows how black text looks on a background with the XYZ color 12.0560, 23.3341, 5.4586.



This preview shows how white text looks on a background with the XYZ color 12.0560, 23.3341,

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

12.0560, 23.3341, 5.4586

Protanopia

20.6858, 22.8871, 4.4898

Deuteranopia

23.3638, 22.8718, 5.8726



Tritanopia

18.0696, 23.4369, 34.5817

Trichromacy



Original Color

12.0560, 23.3341, 5.4586



Protanomaly

14.8809, 21.5644, 4.6744



Deuteranomaly

15.6706, 21.0977, 5.5318



Tritanomaly

14.6314, 22.9318, 18.6941

Monochromacy



Original Color

12.0560, 23.3341, 5.4586



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.2852, 14.9444, 9.1799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0560, 23.3341, 5.4586 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(15, 154, 35)` looks like.

```
.text, #text, p{  
    color:rgb(15, 154, 35)  
}
```

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(15, 154, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 154, 35) }
```

Border

The CSS property to change the border of an element to XYZ 12.0560, 23.3341, 5.4586 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(15, 154, 35) }
```


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

```
.border{ border-color:rgb(15, 154, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 154, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 154, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 154, 35);  
box-shadow:4px 4px 4px 4px rgb(15, 154,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0560, 23.3341, 5.4586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 154, 35) }
```

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

```
.background{ background-color: rgb(15, 154,  
35) }
```

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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