

Converting Colors

XYZ(12.5090, 23.3219, 5.5114)

Have a look what the booklet for
XYZ(12.5090, 23.3219, 5.5114)
contains.

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Color

**XYZ(12.5090, 23.3219,
5.5114)**

Conversions

Conversions Part 1

Format	Color
Hex	269924
RGB	38, 153, 36
RGB Percent	15%, 60%, 14%
CMY	0.8510, 0.4000, 0.8588
CMYK	0.75, 0.00, 0.76, 0.40
HSL	119°, 62%, 37%
HSV	119°, 76%, 60%
XYZ	12.5090, 23.3219, 5.5114
YIQ	105.2770, -30.9830, -60.7670

Conversions

Conversions Part 2

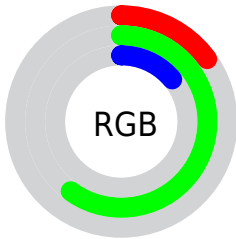
Format	Color
R_{YB}	36, 153, 151
Decimal	2529572
CIE _{Lab}	55.40, -53.44, 49.12
CIE _{LCh}	55, 72.587, 137.408
Yxy	23.3219, 0.3026, 0.5641
Android (android.graphics.Color)	4280719652 (0xFF269924)
YUV	105.2770, -34.1536, -59.0019
Hunter-Lab	48.2928, -38.2765, 27.0385

Details

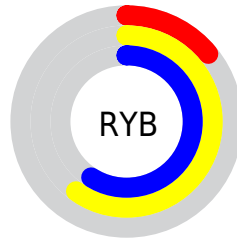
The XYZ color **12.5090, 23.3219, 5.5114** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.1450, 10.1421, 31.0868**, and the grayscale version is **13.5989, 14.3071, 15.5804**.

A 20% lighter version of the original color is **29.9526, 48.7166, 17.2758**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.8768, 23.0181, 4.5122**, and if you desaturate by 10%, it is **13.4663, 23.7831, 7.0482**.

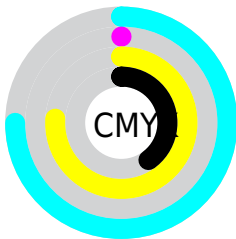
Distribution



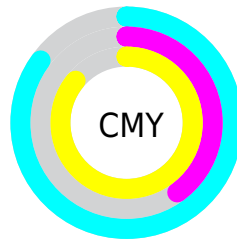
- Red (15%)
- Green (60%)
- Blue (14%)



- Red (14%)
- Yellow (60%)
- Blue (59%)



- Cyan (75%)
- Magenta (0%)
- Yellow (76%)
- Black (40%)





- Cyan (85%)
- Magenta (40%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5090, 23.3219, 5.5114 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 12.5090, 23.3219, 5.5114 by changing the saturation by 10% instead.


 12.5090, 23.3219,
5.5114


 12.5090, 23.3219,
5.5114


201.4483,
269.3741, 163.7794


 7.1660, 14.8314,
2.4864


 30.0277, 48.9213,
17.3678


 3.6134, 8.7011,
0.8329


 42.9341, 66.7991,
27.0363


 1.4858, 4.5468,
0.0000

 59.0923, 88.5746,
39.7564

 0.3162, 1.9839,
0.0000

 78.8677, 114.6324,
55.9466

 0.0000, 0.5981,
0.0000

 102.6257,
145.3569, 76.0254

 0.0000, 0.0000,
0.0000

 130.7315,

181.1324, 100.4115

163.5506,
222.3433, 129.5233

■ 12.5090, 23.3219,
5.5114

■ 12.5090, 23.3219,
5.5114

■ 11.8768, 23.0181,
4.5122

■ 13.4663, 23.7831,
7.0482

■ 11.5205, 22.8464,
3.9578

■ 14.7824, 24.4157,
9.1820

■ 11.4244, 22.8002,
3.7988

■ 16.4888, 25.2355,
11.9658

■ 18.6130, 26.2558,
15.4466

■ 21.1801, 27.4884,
19.6670

■ 24.2130, 28.9444,
24.6662

■ 27.7333, 30.6341,
30.4805

■ 31.7610, 32.5672,
37.1440

■ 36.3153, 34.7527,
44.6891

Harmonies

Analogous

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



17.7977, 23.3219, 2.1247



12.5090, 23.3219, 5.5114



10.1129, 23.3219, 16.8062

Triad

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



12.5090, 23.3219, 5.5114



18.9204, 23.3219, 99.2963



40.7531, 23.3219, 14.1862

Complementary

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



12.5090, 23.3219, 5.5114



19.1450, 10.1421, 31.0868

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.



41.2673, 23.3219, 36.4983



12.5090, 23.3219, 5.5114



27.1980, 23.3219, 96.8909

Square

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



12.5090, 23.3219, 5.5114



13.1564, 23.3219, 74.8936



35.8343, 23.3219, 69.5367



34.5656, 23.3219, 4.6024

Rectangle

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



12.5090, 23.3219, 5.5114



9.9676, 23.3219, 31.6369



35.8343, 23.3219, 69.5367



41.6411, 23.3219, 20.0309

Sweetspot

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



12.5095, 23.3229, 5.5119



39.4765, 49.9693, 37.7677



24.2197, 28.4275, 5.8800



8.3398, 10.8527, 7.7186



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.



12.5095, 23.3229, 5.5119



20.7625, 40.9768, 7.3018



13.9907, 23.9071, 13.6854



6.1414, 6.9304, 6.6198



9.4446, 18.8447, 3.1396



0.1435, 0.2829, 0.0470

Inverse Universe

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



19.1450, 10.1421, 31.0868



33.1889, 16.1931, 55.3483



15.9922, 8.9241, 12.5352



6.4508, 6.3183, 7.8085



15.2099, 7.2920, 25.5136



0.2302, 0.1105, 0.3816

Previews

White Background



This preview shows how the XYZ color 12.5090, 23.3219, 5.5114 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 12.5090, 23.3219, 5.5114 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 12.5090, 23.3219, 5.5114

Background



This preview shows how black text looks on a background with the XYZ color 12.5090, 23.3219, 5.5114.



This preview shows how white text looks on a background with the XYZ color 12.5090, 23.3219,

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

12.5090, 23.3219, 5.5114

Protanopia

20.7113, 22.8974, 4.6244

Deuteranopia

23.1770, 22.7731, 5.9704



Tritanopia

18.3277, 23.3557, 34.1140

Trichromacy



Original Color

12.5090, 23.3219, 5.5114

Protanomaly

15.8369, 22.0541, 4.8610

Deuteranomaly

16.5898, 21.3613, 5.6316

Tritanomaly

15.1664, 22.9758, 18.6743

Monochromacy



Original Color

12.5090, 23.3219, 5.5114

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

11.8008, 16.2476, 10.1035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5090, 23.3219, 5.5114 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(38, 153, 36)` looks like.

```
.text, #text, p{  
    color:rgb(38, 153, 36)  
}
```

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(38, 153, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 153, 36) }
```

Border

The CSS property to change the border of an element to XYZ 12.5090, 23.3219, 5.5114 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(38, 153, 36) }
```


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

```
.border{ border-color:rgb(38, 153, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 153, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 153, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 153, 36);  
box-shadow:4px 4px 4px 4px rgb(38, 153,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5090, 23.3219, 5.5114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 153, 36) }
```

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

```
.background{ background-color: rgb(38, 153,  
36) }
```

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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