

Converting Colors

XYZ(12.5633, 23.3142, 6.8694)

Have a look what the booklet for
XYZ(12.5633, 23.3142, 6.8694)
contains.

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Color

**XYZ(12.5626, 23.3198,
6.8567)**

Conversions

Conversions Part 1

Format	Color
Hex	209932
RGB	32, 153, 50
RGB Percent	13%, 60%, 20%
CMY	0.8745, 0.4000, 0.8039
CMYK	0.79, 0.00, 0.67, 0.40
HSL	129°, 65%, 36%
HSV	129°, 79%, 60%
XYZ	12.5626, 23.3198, 6.8567
YIQ	105.0790, -39.0530, -57.6850

Conversions

Conversions Part 2

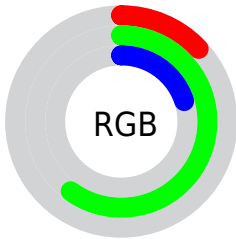
Format	Color
R_{YB}	32, 137, 153
Decimal	2136370
CIE _{Lab}	55.40, -53.07, 43.53
CIE _{LCh}	55, 68.639, 140.636
Yxy	23.3198, 0.2939, 0.5456
Android (android.graphics.Color)	4280326450 (0xFF209932)
YUV	105.0790, -27.1539, -64.0903
Hunter-Lab	48.2906, -38.0725, 25.3849

Details

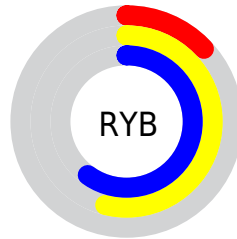
The XYZ color **12.5626, 23.3198, 6.8567** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.0271, 9.5549, 23.8157**, and the grayscale version is **13.5280, 14.2326, 15.4993**.

A 20% lighter version of the original color is **30.0504, 48.7040, 20.1289**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.9511, 23.0332, 5.5646**, and if you desaturate by 10%, it is **13.4759, 23.7541, 8.5814**.

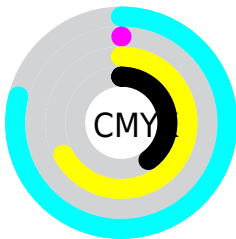
Distribution



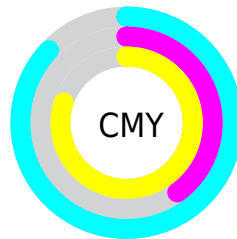
- Red (13%)
- Green (60%)
- Blue (20%)



- Red (13%)
- Yellow (54%)
- Blue (60%)



- Cyan (79%)
- Magenta (0%)
- Yellow (67%)
- Black (40%)



- Cyan (87%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5626, 23.3198, 6.8567 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 12.5626, 23.3198, 6.8567 by changing the saturation by 10% instead.

■ 12.5626, 23.3198,
6.8567

■ 12.5626, 23.3198,
6.8567

201.7899,
269.3633, 176.0531

■ 7.2030, 14.8298,
3.2956

■ 30.1238, 48.9179,
20.1923

■ 3.6368, 8.7000,
1.2475

■ 43.0560, 66.7948,
30.8038

■ 1.4988, 4.5461,
0.0181

■ 59.2431, 88.5695,
44.6025

■ 0.3250, 1.9835,
0.0000

■ 79.0505, 114.6264,
62.0070

■ 0.0000, 0.5978,
0.0000

■ 102.8435,
145.3498, 83.4357

■ 0.0000, 0.0000,
0.0000

■ 130.9875,

181.1241, 109.3073

163.8478,
222.3339, 140.0403

■ 12.5626, 23.3198,
6.8567

■ 12.5626, 23.3198,
6.8567

■ 11.9511, 23.0332,
5.5646

■ 13.4759, 23.7541,
8.5814

■ 11.5736, 22.8582,
4.6638

■ 14.7225, 24.3495,
10.7708

■ 11.5440, 22.8443,
4.5992

■ 16.3318, 25.1214,
13.4559

■ 18.3295, 26.0823,
16.6644

■ 20.7388, 27.2437,
20.4222

■ 23.5812, 28.6161,
24.7533

■ 26.8767, 30.2093,
29.6803

■ 30.6438, 32.0325,
35.2246

■ 34.9003, 34.0944,
41.4065

Harmonies

Analogous

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



17.3383, 23.3198, 2.7767



12.5626, 23.3198, 6.8567



10.5161, 23.3198, 19.0886

Triad

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



12.5626, 23.3198, 6.8567



19.8383, 23.3198, 94.5792



39.1415, 23.3198, 13.1717

Complementary

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



12.5626, 23.3198, 6.8567



18.0271, 9.5549, 23.8157

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.



40.2533, 23.3198, 32.9479



12.5626, 23.3198, 6.8567



27.8128, 23.3198, 89.4855

Square

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



12.5626, 23.3198, 6.8567



14.0266, 23.3198, 74.4165



35.7209, 23.3198, 62.9783



32.9639, 23.3198, 4.6758

Rectangle

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



12.5626, 23.3198, 6.8567



10.5509, 23.3198, 34.0645



35.7209, 23.3198, 62.9783



40.1683, 23.3198, 18.3315

Sweetspot

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



12.5632, 23.3208, 6.8572



39.3879, 49.8737, 40.0187



21.9475, 28.1950, 5.6519



8.3412, 10.8407, 8.2916



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.



12.5632, 23.3208, 6.8572



20.8757, 41.0053, 8.6532



14.7281, 24.1867, 18.2575



6.1678, 6.9398, 6.8068



9.5488, 18.8830, 3.8445



0.1511, 0.2857, 0.1016

Inverse Universe

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



18.0271, 9.5549, 23.8157



30.9650, 15.2765, 39.7381



14.9712, 8.3326, 7.7240



6.4217, 6.3078, 7.6008



14.2102, 6.9383, 18.1639



0.2219, 0.1075, 0.3212

Previews

White Background



This preview shows how the XYZ color 12.5626, 23.3198, 6.8567 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 12.5626, 23.3198, 6.8567 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 12.5626, 23.3198, 6.8567

Background



This preview shows how black text looks on a background with the XYZ color 12.5626, 23.3198, 6.8567.



This preview shows how white text looks on a background with the XYZ color 12.5626, 23.3198,

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

12.5626, 23.3198, 6.8567

Protanopia

20.7385, 22.8874, 5.7075

Deuteranopia

23.2273, 22.7695, 7.3084



Tritanopia

18.1228, 23.2404, 34.5410

Trichromacy



Original Color

12.5626, 23.3198, 6.8567



Protanomaly

15.6969, 21.9567, 5.9955



Deuteranomaly

16.4480, 21.2583, 6.9777



Tritanomaly

15.2202, 22.9640, 20.4599

Monochromacy



Original Color

12.5626, 23.3198, 6.8567



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7411, 16.1946, 11.1014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5626, 23.3198, 6.8567 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(32, 153, 50)` looks like.

```
.text, #text, p{  
    color:rgb(32, 153, 50)  
}
```

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(32, 153, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 153, 50) }
```

Border

The CSS property to change the border of an element to XYZ 12.5626, 23.3198, 6.8567 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(32, 153, 50) }
```


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

```
.border{ border-color:rgb(32, 153, 50) }
```

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

Here you see how a box with a 4 pixel rgb(32, 153, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 153, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 153, 50);  
box-shadow:4px 4px 4px 4px rgb(32, 153,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5626, 23.3198, 6.8567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 153, 50) }
```

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

```
.background{ background-color: rgb(32, 153,  
50) }
```

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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