

Converting Colors

XYZ(12.7909, 23.2599, 7.6639)

Have a look what the booklet for
XYZ(12.7909, 23.2599, 7.6639)
contains.

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Color

**XYZ(12.7297, 23.1452,
7.6674)**

Conversions

Conversions Part 1

Format	Color
Hex	259839
RGB	37, 152, 57
RGB Percent	15%, 60%, 22%
CMY	0.8549, 0.4039, 0.7765
CMYK	0.76, 0.00, 0.62, 0.40
HSL	130°, 61%, 37%
HSV	130°, 76%, 60%
XYZ	12.7297, 23.1452, 7.6674
YIQ	106.7850, -38.0450, -53.9250

Conversions

Conversions Part 2

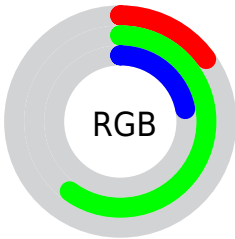
Format	Color
RYB	37, 135, 152
Decimal	2463801
CIELab	55.22, -51.17, 40.21
CIElCh	55, 65.078, 141.843
Yxy	23.1452, 0.2924, 0.5316
Android (android.graphics.Color)	4280653881 (0xFF259839)
YUV	106.7850, -24.5440, -61.2014
Hunter-Lab	48.1095, -36.9607, 24.2273

Details

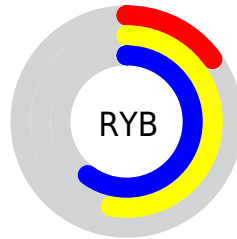
The XYZ color **12.7297, 23.1452, 7.6674** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.7760, 9.6648, 22.7588**, and the grayscale version is **13.9894, 14.7180, 16.0279**.

A 20% lighter version of the original color is **30.3864, 48.4751, 21.9424**, and **4.5681, 9.1187, 1.5768** is the 20% darker color. If you saturate the color by 10%, you get **12.0182, 22.8109, 6.1966**, and if you desaturate by 10%, it is **13.7469, 23.6295, 9.5581**.

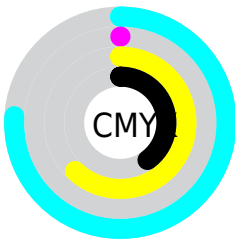
Distribution



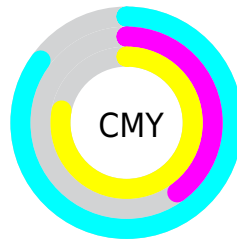
- Red (15%)
- Green (60%)
- Blue (22%)



- Red (15%)
- Yellow (53%)
- Blue (60%)



- Cyan (76%)
- Magenta (0%)
- Yellow (62%)
- Black (40%)





- Cyan (85%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7297, 23.1452, 7.6674 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 12.7297, 23.1452, 7.6674 by changing the saturation by 10% instead.


 12.7297, 23.1452,
7.6674

 12.7297, 23.1452,
7.6674


202.8508,
268.4699, 182.9356


 7.3184, 14.7008,
3.7982


 30.4228, 48.6316,
21.8391


 3.7101, 8.6096,
1.5153


 43.4353, 66.4424,
32.9786


 1.5395, 4.4875,
0.2293

 59.7122, 88.1441,
47.3787

 0.3525, 1.9498,
0.0000

 79.6189, 114.1211,
65.4578

 0.0000, 0.5781,
0.0000

 103.5208,
144.7578, 87.6345

 0.0000, 0.0000,
0.0000

 131.7831,

180.4385, 114.3273

164.7714,
221.5478, 145.9548

■ 12.7297, 23.1452,
7.6674

■ 12.7297, 23.1452,
7.6674

■ 12.0182, 22.8109,
6.1966

■ 13.7469, 23.6295,
9.5581

■ 11.5705, 22.6037,
5.1117

■ 15.0985, 24.2759,
11.8957

■ 11.4201, 22.5339,
4.7507

■ 16.8116, 25.0986,
14.7070

■ 18.9103, 26.1094,
18.0161

■ 21.4162, 27.3191,
21.8455

■ 24.3496, 28.7376,
26.2163

■ 27.7293, 30.3743,
31.1484

■ 31.5729, 32.2377,
36.6609

■ 35.8973, 34.3362,
42.7716

Harmonies

Analogous

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



17.1932, 23.1452, 3.3054



12.7297, 23.1452, 7.6674



10.8528, 23.1452, 19.9331

Triad

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



12.7297, 23.1452, 7.6674



20.0729, 23.1452, 89.3089



37.7076, 23.1452, 13.0397

Complementary

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



12.7297, 23.1452, 7.6674



17.7760, 9.6648, 22.7588

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.



38.9571, 23.1452, 31.3242



12.7297, 23.1452, 7.6674



27.6256, 23.1452, 83.6868

Square

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



12.7297, 23.1452, 7.6674



14.4379, 23.1452, 71.6604



34.9355, 23.1452, 58.9452



31.8238, 23.1452, 5.0008

Rectangle

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



12.7297, 23.1452, 7.6674



10.9506, 23.1452, 34.3513



34.9355, 23.1452, 58.9452



38.7288, 23.1452, 17.8399

Sweetspot

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



12.7303, 23.1462, 7.6679



38.8785, 48.7401, 40.1796



21.2096, 27.5642, 5.9529



8.4678, 10.8998, 8.5768



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.



12.7303, 23.1462, 7.6679



20.6114, 39.9830, 9.5091



15.0101, 24.0581, 19.6735



6.1738, 6.9423, 6.8389



9.5836, 18.8969, 4.0281



0.1529, 0.2864, 0.1109

Inverse Universe

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



17.7760, 9.6648, 22.7588



29.8836, 14.9314, 37.0350



14.8925, 8.5115, 7.5748



6.4151, 6.3052, 7.5660



14.0015, 6.8548, 17.0646



0.2200, 0.1068, 0.3116

Previews

White Background



This preview shows how the XYZ color 12.7297, 23.1452, 7.6674 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 12.7297, 23.1452, 7.6674 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 12.7297, 23.1452, 7.6674

Background



This preview shows how black text looks on a background with the XYZ color 12.7297, 23.1452, 7.6674.



This preview shows how white text looks on a background with the XYZ color 12.7297, 23.1452,

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

12.7297, 23.1452, 7.6674

Protanopia

20.7029, 22.8525, 6.4518

Deuteranopia

23.1880, 22.7303, 8.1663



Tritanopia

17.9600, 22.9443, 34.0540

Trichromacy



Original Color

12.7297, 23.1452, 7.6674

Protanomaly

15.8191, 21.7865, 6.7396

Deuteranomaly

16.8696, 21.4577, 7.8100

Tritanomaly

15.2960, 22.7595, 21.0396

Monochromacy



Original Color

12.7297, 23.1452, 7.6674

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.3658, 16.6810, 12.0192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7297, 23.1452, 7.6674 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(37, 152, 57)` looks like.

```
.text, #text, p{  
    color:rgb(37, 152, 57)  
}
```

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(37, 152, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 152, 57) }
```

Border

The CSS property to change the border of an element to XYZ 12.7297, 23.1452, 7.6674 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(37, 152, 57) }
```


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

```
.border{ border-color:rgb(37, 152, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 152, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 152, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 152, 57);  
box-shadow:4px 4px 4px 4px rgb(37, 152,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7297, 23.1452, 7.6674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 152, 57) }
```

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

```
.background{ background-color: rgb(37, 152,  
57) }
```

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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