

Converting Colors

XYZ(12.9057, 23.9124, 6.0740)

Have a look what the booklet for
XYZ(12.9057, 23.9124, 6.0740)
contains.

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Color

**XYZ(12.9583, 24.0341,
6.0539)**

Conversions

Conversions Part 1

Format	Color
Hex	279B29
RGB	39, 155, 41
RGB Percent	15%, 61%, 16%
CMY	0.8471, 0.3921, 0.8392
CMYK	0.75, 0.00, 0.74, 0.39
HSL	121°, 60%, 38%
HSV	121°, 75%, 61%
XYZ	12.9583, 24.0341, 6.0539
YIQ	107.3200, -32.5420, -60.0460

Conversions

Conversions Part 2

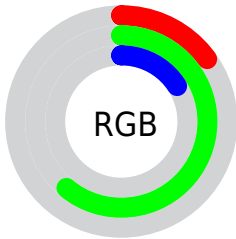
Format	Color
R_{YB}	39, 153, 155
Decimal	2595625
CIE _{Lab}	56.12, -53.53, 48.01
CIE _{LCh}	56, 71.909, 138.110
Yxy	24.0341, 0.3010, 0.5583
Android (android.graphics.Color)	4280785705 (0xFF279B29)
YUV	107.3200, -32.6958, -59.9166
Hunter-Lab	49.0246, -38.6115, 26.9957

Details

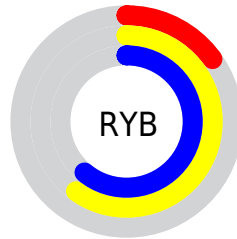
The XYZ color **12.9583, 24.0341, 6.0539** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **19.9934, 10.7199, 31.1523**, and the grayscale version is **14.1592, 14.8966, 16.2224**.

A 20% lighter version of the original color is **30.9082, 50.2802, 18.6657**, and **4.7514, 9.5027, 1.5838** is the 20% darker color. If you saturate the color by 10%, you get **12.2707, 23.7053, 4.8928**, and if you desaturate by 10%, it is **13.9898, 24.5297, 7.7692**.

Distribution



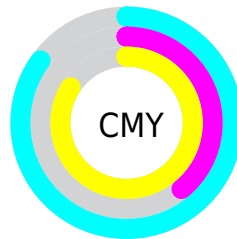
- Red (15%)
- Green (61%)
- Blue (16%)



- Red (15%)
- Yellow (60%)
- Blue (61%)



- Cyan (75%)
- Magenta (0%)
- Yellow (74%)
- Black (39%)





- Cyan (85%)
- Magenta (39%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9583, 24.0341, 6.0539 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 12.9583, 24.0341, 6.0539 by changing the saturation by 10% instead.


 12.9583, 24.0341,
6.0539


 12.9583, 24.0341,
6.0539

204.2932,
272.9928, 168.8740


 7.4766, 15.3589,
2.8086


 30.8308, 50.0858,
18.5223


 3.8109, 9.0717,
0.9977


 43.9524, 68.2312,
28.5824

 1.5957, 4.7880,
0.0000

 60.3512, 90.3020,
41.7511

 0.3896, 2.1234,
0.0000

 80.3928, 116.6828,
58.4471

 0.0000, 0.6777,
0.0000

 104.4425,
147.7579, 79.0889

 0.0000, 0.0000,
0.0000

 132.8655,

183.9116, 104.0949

166.0273,
225.5285, 133.8838

■ 12.9583, 24.0341,
6.0539

■ 12.9583, 24.0341,
6.0539

■ 12.2707, 23.7053,
4.8928

■ 13.9898, 24.5297,
7.7692

■ 11.8797, 23.5184,
4.2162

■ 15.4002, 25.2068,
10.0943

■ 11.7365, 23.4495,
3.9845

■ 17.2220, 26.0818,
13.0797

■ 19.4839, 27.1685,
16.7705

■ 22.2120, 28.4795,
21.2077

■ 25.4303, 30.0263,
26.4289

■ 29.1611, 31.8198,
32.4697

■ 33.4256, 33.8700,
39.3630

■ 38.2435, 36.1866,
47.1402

Harmonies

Analogous

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



18.2620, 24.0341, 2.3904



12.9583, 24.0341, 6.0539



10.5779, 24.0341, 17.8855

Triad

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



12.9583, 24.0341, 6.0539



19.7308, 24.0341, 100.4757



41.4658, 24.0341, 14.4417

Complementary

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



12.9583, 24.0341, 6.0539



19.9934, 10.7199, 31.1523

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.



42.1318, 24.0341, 36.6815



12.9583, 24.0341, 6.0539



28.1340, 24.0341, 97.3818

Square

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



12.9583, 24.0341, 6.0539



13.8098, 24.0341, 76.6026



36.7932, 24.0341, 69.6934



35.1471, 24.0341, 4.8338

Rectangle

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



12.9583, 24.0341, 6.0539



10.4696, 24.0341, 33.1105



36.7932, 24.0341, 69.6934



42.4055, 24.0341, 20.2726

Sweetspot

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



12.9589, 24.0351, 6.0544



41.0845, 51.6297, 40.1011



25.2380, 30.3692, 6.4512



8.9931, 11.5390, 8.5794



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.



12.9589, 24.0351, 6.0544



21.4406, 42.1966, 7.8399



14.8076, 24.7746, 15.7897



6.1363, 6.9272, 6.6410



9.4279, 18.8346, 3.2081



0.1420, 0.2820, 0.0533

Inverse Universe

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



19.9934, 10.7199, 31.1523



34.6912, 17.0774, 55.0874



16.3123, 9.2474, 11.7680



6.4566, 6.3218, 7.7847



15.4324, 7.4272, 24.5999



0.2320, 0.1115, 0.3744

Previews

White Background



This preview shows how the XYZ color 12.9583, 24.0341, 6.0539 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 12.9583, 24.0341, 6.0539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

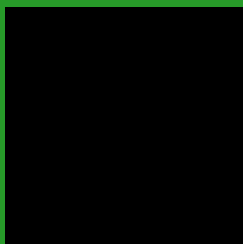
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9583, 24.0341, 6.0539

Background



This preview shows how black text looks on a background with the XYZ color 12.9583, 24.0341, 6.0539.



This preview shows how white text looks on a background with the XYZ color 12.9583, 24.0341,

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

12.9583, 24.0341, 6.0539

Protanopia

21.4212, 23.6616, 5.1072

Deuteranopia

23.9351, 23.5337, 6.5297



Tritanopia

18.8738, 24.0676, 35.1032

Trichromacy



Original Color

12.9583, 24.0341, 6.0539



Protanomaly

16.4533, 22.8009, 5.3676



Deuteranomaly

17.2249, 22.0978, 6.1538



Tritanomaly

15.7092, 23.7019, 19.6666

Monochromacy



Original Color

12.9583, 24.0341, 6.0539



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.2487, 16.8337, 10.7873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9583, 24.0341, 6.0539 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(39, 155, 41)` looks like.

```
.text, #text, p{  
    color:rgb(39, 155, 41)  
}
```

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(39, 155, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 155, 41) }
```

Border

The CSS property to change the border of an element to XYZ 12.9583, 24.0341, 6.0539 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(39, 155, 41) }
```


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

```
.border{ border-color:rgb(39, 155, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 155, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 155, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 155, 41);  
box-shadow:4px 4px 4px 4px rgb(39, 155,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9583, 24.0341, 6.0539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 155, 41) }
```

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

```
.background{ background-color: rgb(39, 155,  
41) }
```

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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