

Converting Colors

XYZ(13.0240, 24.3735, 7.5927)

Have a look what the booklet for
XYZ(13.0240, 24.3735, 7.5927)
contains.

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Color

**XYZ(12.9790, 24.2594,
7.6129)**

Conversions

Conversions Part 1

Format	Color
Hex	199C37
RGB	25, 156, 55
RGB Percent	10%, 61%, 22%
CMY	0.9019, 0.3882, 0.7843
CMYK	0.84, 0.00, 0.65, 0.39
HSL	134°, 72%, 35%
HSV	134°, 84%, 61%
XYZ	12.9790, 24.2594, 7.6129
YIQ	105.3170, -45.6550, -59.1830

Conversions

Conversions Part 2

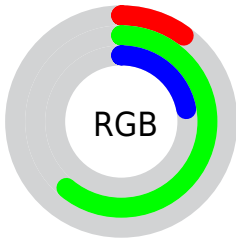
Format	Color
R _Y B	25, 132, 156
Decimal	1678391
CIE Lab	56.35, -54.36, 42.34
CIE LCh	56, 68.906, 142.086
Yxy	24.2594, 0.2894, 0.5409
Android (android.graphics.Color)	4279868471 (0xFF199C37)
YUV	105.3170, -24.8063, -70.4380
Hunter-Lab	49.2538, -39.1572, 25.3135

Details

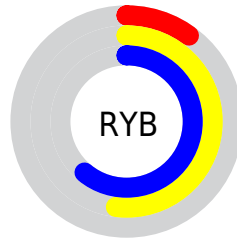
The XYZ color **12.9790, 24.2594, 7.6129** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.8247, 9.2701, 20.5899**, and the grayscale version is **13.5883, 14.2959, 15.5682**.

A 20% lighter version of the original color is **30.9689, 50.6144, 21.7730**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.4422, 24.0127, 6.2623**, and if you desaturate by 10%, it is **13.8017, 24.6468, 9.3449**.

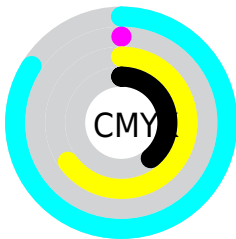
Distribution



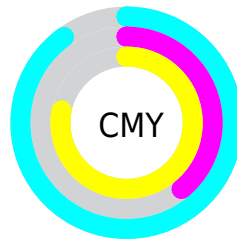
- Red (10%)
- Green (61%)
- Blue (22%)



- Red (10%)
- Yellow (52%)
- Blue (61%)



- Cyan (84%)
- Magenta (0%)
- Yellow (65%)
- Black (39%)



- Cyan (90%)
- Magenta (39%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9790, 24.2594, 7.6129 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 12.9790, 24.2594, 7.6129 by changing the saturation by 10% instead.

■ 12.9790, 24.2594,
7.6129

■ 12.9790, 24.2594,
7.6129

204.4234,
274.1293, 182.4832

■ 7.4910, 15.5262,
3.7641

■ 30.8677, 50.4532,
21.7295

■ 3.8201, 9.1895,
1.4968

■ 43.9991, 68.6825,
32.8344

■ 1.6008, 4.8650,
0.2156

■ 60.4090, 90.8460,
47.1950

■ 0.3930, 2.1683,
0.0000

■ 80.4627, 117.3280,
65.2299

■ 0.0000, 0.7026,
0.0000

■ 104.5257,
148.5129, 87.3576

■ 0.0000, 0.0000,
0.0000

■ 132.9632,

184.7852, 113.9967

166.1406,
226.5292, 145.5657

■ 12.9790, 24.2594,
7.6129

■ 12.9790, 24.2594,
7.6129

■ 12.4422, 24.0127,
6.2623

■ 13.8017, 24.6468,
9.3449

■ 12.2031, 23.9035,
5.6177

■ 14.9447, 25.1898,
11.4828

■ 16.4390, 25.9049,
14.0508

■ 18.3113, 26.8052,
17.0709

■ 20.5858, 27.9028,
20.5634

■ 23.2846, 29.2087,
24.5474

■ 26.4280, 30.7330,
29.0411

■ 30.0353, 32.4852,
34.0616

■ 34.1244, 34.4743,
39.6252

Harmonies

Analogous

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



17.7750, 24.2594, 3.0719



12.9790, 24.2594, 7.6129



10.9901, 24.2594, 20.8336

Triad

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



12.9790, 24.2594, 7.6129



21.0165, 24.2594, 97.8237



40.3194, 24.2594, 13.1372

Complementary

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



12.9790, 24.2594, 7.6129



17.8247, 9.2701, 20.5899

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.



41.7526, 24.2594, 32.9122



12.9790, 24.2594, 7.6129



29.2956, 24.2594, 91.2844

Square

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



12.9790, 24.2594, 7.6129



14.8830, 24.2594, 78.1880



37.3411, 24.2594, 63.4780



33.7834, 24.2594, 4.7434

Rectangle

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



12.9790, 24.2594, 7.6129



11.1084, 24.2594, 36.6806



37.3411, 24.2594, 63.4780



41.4662, 24.2594, 18.2682

Sweetspot

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



12.9796, 24.2604, 7.6135



41.4921, 52.6630, 43.4224



20.9094, 28.4078, 5.3012



8.7691, 11.4134, 9.0254



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.



12.9796, 24.2604, 7.6135



22.1002, 43.3887, 9.8694



15.6129, 25.3137, 21.4802



6.6099, 7.4247, 7.3803



10.0628, 19.6931, 4.6878



0.1943, 0.3579, 0.1594

Inverse Universe

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



17.8247, 9.2701, 20.5899



31.0119, 15.2814, 33.3408



14.9314, 8.1128, 5.3538



6.8391, 6.7286, 8.0039



14.1130, 6.9498, 15.3777



0.2670, 0.1301, 0.3524

Previews

White Background



This preview shows how the XYZ color 12.9790, 24.2594, 7.6129 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 12.9790, 24.2594, 7.6129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

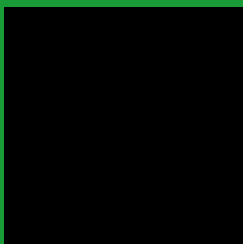
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9790, 24.2594, 7.6129

Background



This preview shows how black text looks on a background with the XYZ color 12.9790, 24.2594, 7.6129.



This preview shows how white text looks on a background with the XYZ color 12.9790, 24.2594,

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

12.9790, 24.2594, 7.6129

Protanopia

21.6572, 23.7560, 6.3496

Deuteranopia

24.3705, 23.9155, 8.1822



Tritanopia

18.7652, 24.2197, 36.0336

Trichromacy



Original Color

12.9790, 24.2594, 7.6129



Protanomaly

16.0962, 22.5883, 6.6436



Deuteranomaly

17.0010, 22.1587, 7.7959



Tritanomaly

15.7737, 23.9232, 21.8754

Monochromacy



Original Color

12.9790, 24.2594, 7.6129



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.9084, 16.6399, 11.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9790, 24.2594, 7.6129 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(25, 156, 55)` looks like.

```
.text, #text, p{  
    color:rgb(25, 156, 55)  
}
```

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(25, 156, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 156, 55) }
```

Border

The CSS property to change the border of an element to XYZ 12.9790, 24.2594, 7.6129 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(25, 156, 55) }
```


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

```
.border{ border-color:rgb(25, 156, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 156, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 156, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 156, 55);  
box-shadow:4px 4px 4px 4px rgb(25, 156,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9790, 24.2594, 7.6129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 156, 55) }
```

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

```
.background{ background-color: rgb(25, 156,  
55) }
```

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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