

Converting Colors

XYZ(12.5891, 24.1125, 5.1531)

Have a look what the booklet for
XYZ(12.5891, 24.1125, 5.1531)
contains.

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Color

**XYZ(12.5891, 24.1125,
5.1531)**

Conversions

Conversions Part 1

Format	Color
Hex	1C9C1D
RGB	28, 156, 29
RGB Percent	11%, 61%, 11%
CMY	0.8902, 0.3882, 0.8862
CMYK	0.82, 0.00, 0.81, 0.39
HSL	120°, 70%, 36%
HSV	120°, 82%, 61%
XYZ	12.5891, 24.1125, 5.1531
YIQ	103.2500, -35.5210, -66.6330

Conversions

Conversions Part 2

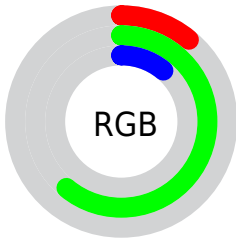
Format	Color
R_{YB}	28, 155, 156
Decimal	1874973
CIE _{Lab}	56.20, -56.34, 52.14
CIE _{LCh}	56, 76.761, 137.215
Y _{xy}	24.1125, 0.3008, 0.5761
Android (android.graphics.Color)	4280065053 (0xFF1C9C1D)
YUV	103.2500, -36.6052, -65.9942
Hunter-Lab	49.1045, -40.1701, 28.1512

Details

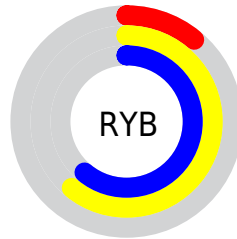
The XYZ color **12.5891, 24.1125, 5.1531** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.0421, 10.2651, 31.9334**, and the grayscale version is **13.0597, 13.7398, 14.9627**.

A 20% lighter version of the original color is **30.2202, 50.3395, 16.7181**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.1223, 23.8894, 4.3711**, and if you desaturate by 10%, it is **13.3743, 24.4901, 6.4530**.

Distribution



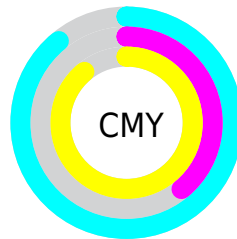
- Red (11%)
- Green (61%)
- Blue (11%)



- Red (11%)
- Yellow (61%)
- Blue (61%)



- Cyan (82%)
- Magenta (0%)
- Yellow (81%)
- Black (39%)



- Cyan (89%)
- Magenta (39%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5891, 24.1125, 5.1531 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 12.5891, 24.1125, 5.1531 by changing the saturation by 10% instead.

■ 12.5891, 24.1125,
5.1531

■ 12.5891, 24.1125,
5.1531

201.9585,
273.3887, 160.2896

■ 7.2213, 15.4171,
2.2771

■ 30.1712, 50.2137,
16.5922

■ 3.6484, 9.1126,
0.7183

■ 43.1162, 68.3883,
25.9924

■ 1.5052, 4.8147,
0.0000

■ 59.3176, 90.4915,
38.4043

■ 0.3294, 2.1390,
0.0000

■ 79.1408, 116.9075,
54.2465

■ 0.0000, 0.6864,
0.0000

■ 102.9511,
148.0209, 73.9377

■ 0.0000, 0.0000,
0.0000

■ 131.1140,

184.2159, 97.8962

163.9946,
225.8771, 126.5407

■ 12.5891, 24.1125,
5.1531

■ 12.5891, 24.1125,
5.1531

■ 12.1223, 23.8894,
4.3711

■ 13.3743, 24.4901,
6.4530

■ 11.8957, 23.7806,
3.9984

■ 14.5190, 25.0397,
8.3375

■ 16.0601, 25.7797,
10.8652

■ 18.0292, 26.7256,
14.0870

■ 20.4549, 27.8909,
18.0488

■ 23.3635, 29.2884,
22.7925

■ 26.7789, 30.9295,
28.3570

■ 30.7238, 32.8251,
34.7785

■ 35.2193, 34.9854,
42.0911

Harmonies

Analogous

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



18.2565, 24.1125, 1.8226



12.5891, 24.1125, 5.1531



10.0391, 24.1125, 16.9067

Triad

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



12.5891, 24.1125, 5.1531



19.3666, 24.1125, 107.8110



43.2335, 24.1125, 14.3437

Complementary

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



12.5891, 24.1125, 5.1531



20.0421, 10.2651, 31.9334

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.



43.7536, 24.1125, 38.5353



12.5891, 24.1125, 5.1531



28.3127, 24.1125, 105.3381

Square

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



12.5891, 24.1125, 5.1531



13.2212, 24.1125, 80.4644



37.7534, 24.1125, 74.9913



36.4750, 24.1125, 4.3074

Rectangle

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



12.5891, 24.1125, 5.1531



9.8749, 24.1125, 32.8392



37.7534, 24.1125, 74.9913



44.1954, 24.1125, 20.6145

Sweetspot

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



12.5897, 24.1135, 5.1536



40.5127, 52.2712, 38.2652



25.8094, 30.9299, 5.7083



8.5374, 11.3207, 7.8048



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.



12.5897, 24.1135, 5.1536



21.6749, 43.2244, 7.3631



14.2996, 24.7975, 14.1582



6.5528, 7.4019, 7.0795



9.7986, 19.5874, 3.2966



0.1758, 0.3504, 0.0618

Inverse Universe

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



20.0421, 10.2651, 31.9334



35.6574, 17.2105, 57.5850



16.0579, 8.6714, 10.9528



6.9019, 6.7537, 8.3346



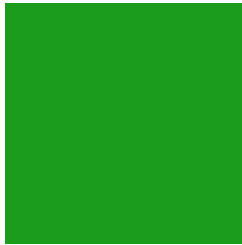
16.1513, 7.7651, 26.1115



0.2894, 0.1391, 0.4703

Previews

White Background



This preview shows how the XYZ color 12.5891, 24.1125, 5.1531 looks on a white background.

Color Contrast Check

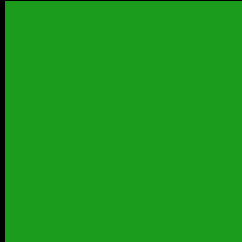
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5891, 24.1125, 5.1531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

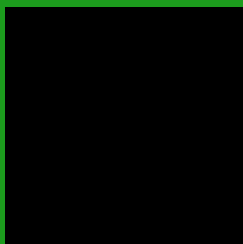
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.5891, 24.1125, 5.1531

Background



This preview shows how black text looks on a background with the XYZ color 12.5891, 24.1125, 5.1531.



This preview shows how white text looks on a background with the XYZ color 12.5891, 24.1125,

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

12.5891, 24.1125, 5.1531

Protanopia

21.4423, 23.6914, 4.2534

Deuteranopia

23.9618, 23.5687, 5.5718



Tritanopia

18.6654, 23.9503, 35.5374

Trichromacy



Original Color

12.5891, 24.1125, 5.1531



Protanomaly

15.7923, 22.4804, 4.4265



Deuteranomaly

16.6408, 22.0299, 5.2089



Tritanomaly

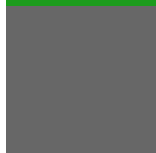
15.0832, 23.4050, 18.4745

Monochromacy



Original Color

12.5891, 24.1125, 5.1531



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.2445, 15.9774, 9.3288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5891, 24.1125, 5.1531 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(28, 156, 29)` looks like.

```
.text, #text, p{  
    color:rgb(28, 156, 29)  
}
```

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(28, 156, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 156, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.5891, 24.1125, 5.1531 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(28, 156, 29) }
```


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

```
.border{ border-color:rgb(28, 156, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 156, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 156, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 156, 29);  
box-shadow:4px 4px 4px 4px rgb(28, 156,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5891, 24.1125, 5.1531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 156, 29) }
```

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

```
.background{ background-color: rgb(28, 156,  
29) }
```

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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