

Converting Colors

XYZ(12.5305, 24.4948, 5.0761)

Have a look what the booklet for
XYZ(12.5305, 24.4948, 5.0761)
contains.

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Color

**XYZ(12.6058, 24.6262,
5.1259)**

Conversions

Conversions Part 1

Format	Color
Hex	0E9E1B
RGB	14, 158, 27
RGB Percent	5%, 62%, 11%
CMY	0.9451, 0.3804, 0.8941
CMYK	0.91, 0.00, 0.83, 0.38
HSL	125°, 84%, 34%
HSV	125°, 91%, 62%
XYZ	12.6058, 24.6262, 5.1259
YIQ	100.0100, -43.7730, -71.2690

Conversions

Conversions Part 2

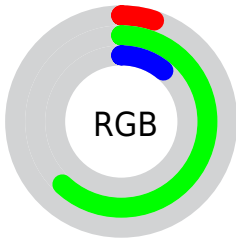
Format	Color
R_{YB}	14, 146, 158
Decimal	957979
CIE _{Lab}	56.71, -58.42, 53.15
CIE _{LCh}	57, 78.975, 137.706
Yxy	24.6262, 0.2976, 0.5814
Android (android.graphics.Color)	4279148059 (0xFF0E9E1B)
YUV	100.0100, -35.9939, -75.4308
Hunter-Lab	49.6248, -41.5004, 28.6131

Details

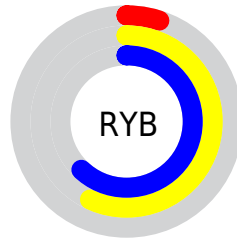
The XYZ color **12.6058, 24.6262, 5.1259** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.3687, 9.6277, 27.6242**, and the grayscale version is **12.2133, 12.8494, 13.9930**.

A 20% lighter version of the original color is **30.2240, 51.0974, 16.4534**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **12.3085, 24.4871, 4.5029**, and if you desaturate by 10%, it is **13.1639, 24.8905, 6.2433**.

Distribution



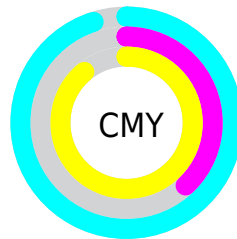
- Red (5%)
- Green (62%)
- Blue (11%)



- Red (5%)
- Yellow (57%)
- Blue (62%)



- Cyan (91%)
- Magenta (0%)
- Yellow (83%)
- Black (38%)



- Cyan (95%)
- Magenta (38%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6058, 24.6262, 5.1259 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 12.6058, 24.6262, 5.1259 by changing the saturation by 10% instead.

■ 12.6058, 24.6262,
5.1259

■ 12.6058, 24.6262,
5.1259

202.0647,
275.9712, 160.0203

■ 7.2328, 15.7988,
2.2613

■ 30.2011, 51.0502,
16.5329

■ 3.6557, 9.3819,
0.7094

■ 43.1541, 69.4155,
25.9123

■ 1.5093, 4.9911,
0.0000

■ 59.3645, 91.7289,
38.3004

■ 0.3321, 2.2420,
0.0000

■ 79.1977, 118.3748,
54.1158

■ 0.0000, 0.7428,
0.0000

■ 103.0189,
149.7376, 73.7769

■ 0.0000, 0.0000,
0.0000

■ 131.1936,

186.2017, 97.7023

164.0871,
228.1514, 126.3106

■ 12.6058, 24.6262,
5.1259

■ 12.6058, 24.6262,
5.1259

■ 12.3085, 24.4871,
4.5029

■ 13.1639, 24.8905,
6.2433

■ 14.0440, 25.3094,
7.8549

■ 15.2862, 25.9034,
10.0096

■ 16.9242, 26.6889,
12.7500

■ 18.9879, 27.6804,
16.1147

■ 21.5043, 28.8912,
20.1388

■ 24.4983, 30.3334,
24.8548

■ 27.9926, 32.0180,
30.2931

■ 32.0089, 33.9557,
36.4824

Harmonies

Analogous

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



18.4268, 24.6262, 1.7143



12.6058, 24.6262, 5.1259



10.0249, 24.6262, 17.4060

Triad

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



12.6058, 24.6262, 5.1259



19.8373, 24.6262, 113.0590



44.6333, 24.6262, 14.1658

Complementary

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



12.6058, 24.6262, 5.1259



19.3687, 9.6277, 27.6242

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.



45.3015, 24.6262, 39.1163



12.6058, 24.6262, 5.1259



29.2110, 24.6262, 109.8575

Square

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



12.6058, 24.6262, 5.1259



13.4041, 24.6262, 84.4806



39.0866, 24.6262, 77.4156



37.4472, 24.6262, 4.0831

Rectangle

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



12.6058, 24.6262, 5.1259



9.8858, 24.6262, 34.1991



39.0866, 24.6262, 77.4156



45.6846, 24.6262, 20.5764

Sweetspot

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



12.6064, 24.6272, 5.1265



40.9113, 53.3605, 39.5153



24.1612, 30.5976, 5.0480



8.8512, 11.8508, 8.3200



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.6064, 24.6272, 5.1265



22.3186, 44.4538, 8.0049



14.6132, 25.4299, 15.6941



6.5739, 7.4103, 7.1906



9.8644, 19.6137, 3.6432



0.1827, 0.3532, 0.0982

Inverse Universe

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



19.3687, 9.6277, 27.6242



34.6723, 16.8270, 48.9379



15.4943, 8.0779, 7.2214



6.8783, 6.7442, 8.2103



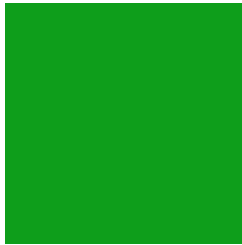
15.3158, 7.4309, 21.7118



0.2806, 0.1356, 0.4239

Previews

White Background



This preview shows how the XYZ color 12.6058, 24.6262, 5.1259 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 12.6058, 24.6262, 5.1259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

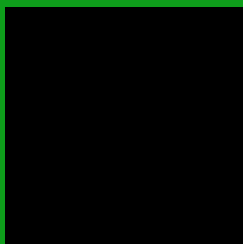
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.6058, 24.6262, 5.1259

Background



This preview shows how black text looks on a background with the XYZ color 12.6058, 24.6262, 5.1259.



This preview shows how white text looks on a background with the XYZ color 12.6058, 24.6262,

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

12.6058, 24.6262, 5.1259

Protanopia

21.7482, 24.0575, 4.2068

Deuteranopia

24.5174, 24.0478, 5.6350



Tritanopia

19.0065, 24.5639, 36.5405

Trichromacy



Original Color

12.6058, 24.6262, 5.1259

Protanomaly

15.4566, 22.5316, 4.3450

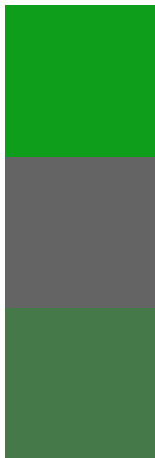
Deuteranomaly

16.3766, 22.1095, 5.1547

Tritanomaly

15.1548, 23.9093, 18.8551

Monochromacy



Original Color

12.6058, 24.6262, 5.1259

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

10.4942, 15.4210, 8.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6058, 24.6262, 5.1259 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(14, 158, 27)` looks like.

```
.text, #text, p{  
    color:rgb(14, 158, 27)  
}
```

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(14, 158, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 158, 27) }
```

Border

The CSS property to change the border of an element to XYZ 12.6058, 24.6262, 5.1259 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(14, 158, 27) }
```


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

```
.border{ border-color:rgb(14, 158, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 158, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 158, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 158, 27);  
box-shadow:4px 4px 4px 4px rgb(14, 158,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6058, 24.6262, 5.1259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 158, 27) }
```

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

```
.background{ background-color: rgb(14, 158,  
27) }
```

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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