

Converting Colors

XYZ(32.0305, 59.0053, 26.2627)

Have a look what the booklet for
XYZ(32.0305, 59.0053, 26.2627)
contains.

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Color

**XYZ(32.0090, 58.9742,
26.2191)**

Conversions

Conversions Part 1

Format	Color
Hex	00E874
RGB	0, 232, 116
RGB Percent	0%, 91%, 45%
CMY	1.0000, 0.0902, 0.5451
CMYK	1.00, 0.00, 0.50, 0.09
HSL	150°, 100%, 45%
HSV	150°, 100%, 91%
XYZ	32.0090, 58.9742, 26.2191
YIQ	149.4080, -101.0360, -85.2600

Conversions

Conversions Part 2

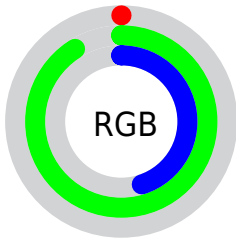
Format	Color
RYB	0, 155, 232
Decimal	59508
CIELab	81.28, -71.43, 43.29
CIELCh	81, 83.526, 148.781
Yxy	58.9742, 0.2731, 0.5032
Android (android.graphics.Color)	4278249588 (0xFF00E874)
YUV	149.4080, -16.4701, -131.0308
Hunter-Lab	76.7947, -59.9896, 33.5136

Details

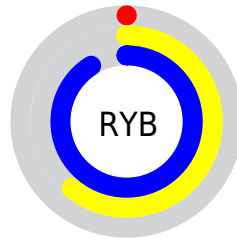
The XYZ color **32.0090, 58.9742, 26.2191** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **36.4333, 18.4180, 18.1619**, and the grayscale version is **28.8393, 30.3412, 33.0416**.

A 20% lighter version of the original color is **49.4461, 77.7373, 50.4289**, and **16.2554, 31.0301, 9.9832** is the 20% darker color. If you saturate the color by 10%, you get **32.0099, 58.9764, 26.2185**, and if you desaturate by 10%, it is **33.0862, 59.4483, 30.0165**.

Distribution



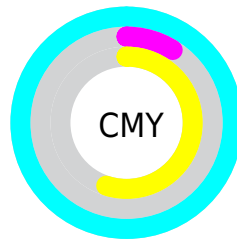
- Red (0%)
- Green (91%)
- Blue (45%)



- Red (0%)
- Yellow (61%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0090, 58.9742, 26.2191 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 32.0090, 58.9742, 26.2191 by changing the saturation by 10% instead.


 32.0090, 58.9742,
26.2191


 32.0090, 58.9742,
26.2191


302.9048,
420.8063, 297.4956

 21.5240, 42.5924,
16.7604


 62.1903, 103.3402,
54.6166


 13.6222, 29.5654,
9.9037


 82.6173, 132.0931,
74.3925

 7.9383, 19.5089,
5.2304


 107.0889,
165.7385, 98.4445

 4.1070, 12.0386,
2.3220

 135.9706,
204.6607, 127.1912

 1.7628, 6.7700,
0.7435

 169.6277,
249.2442, 161.0511

 0.4951, 3.3187,
0.0000

208.4255,

 0.0000, 1.3003,

299.8734, 200.4428

0.0000

252.7294,
356.9326, 245.7848

■ 0.0000, 0.1414,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0090, 58.9742,
26.2191

■ 32.0090, 58.9742,
26.2191


■ 32.0099, 58.9764,
26.2185


■ 33.0862, 59.4483,
30.0165

■ 34.6783, 60.1760,
34.2919


■ 36.9259, 61.2313,
39.0679


■ 39.9109, 62.6560,
44.3623

 43.7028, 64.4857,
50.1914

 48.3624, 66.7515,
56.5712

 53.9445, 69.4812,
63.5165

 60.4992, 72.7005,
71.0416

 68.0728, 76.4330,
79.1601

Harmonies

Analogous

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



41.4224, 58.9742, 11.4902



32.0090, 58.9742, 26.2191



28.7898, 58.9742, 62.1938

Triad

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



32.0090, 58.9742, 26.2191



55.3437, 58.9742, 215.8087



90.8376, 58.9742, 28.2129

Complementary

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



32.0090, 58.9742, 26.2191



36.4333, 18.4180, 18.1619

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.



96.6565, 58.9742, 66.2752



32.0090, 58.9742, 26.2191



73.7777, 58.9742, 190.3396

Square

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



32.0090, 58.9742, 26.2191



40.4218, 58.9742, 186.1597



89.8581, 58.9742, 127.8767



75.2699, 58.9742, 12.1505

Rectangle

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



32.0090, 58.9742, 26.2191



29.9440, 58.9742, 100.3170



89.8581, 58.9742, 127.8767



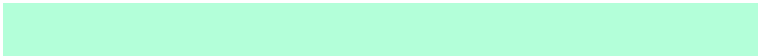
94.1250, 58.9742, 38.0135

Sweetspot

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



32.0105, 58.9766, 26.2205



66.7267, 86.0409, 78.5648



36.5862, 61.6996, 9.9813



13.6258, 18.0948, 16.0179



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.0105, 58.9766, 26.2205



39.6231, 73.0652, 32.2627



42.8806, 63.3246, 83.4617



14.4884, 16.2088, 16.8364



17.8336, 32.7655, 14.8899



1.3647, 2.4400, 1.3472

Inverse Universe

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



36.4333, 18.4180, 18.1619



45.1038, 22.8055, 22.2766



33.3014, 17.1652, 1.6694



14.6760, 14.4876, 16.4945



20.2889, 10.2498, 10.4163



1.5462, 0.7762, 1.0166

Previews

White Background



This preview shows how the XYZ color 32.0090, 58.9742, 26.2191 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.0090, 58.9742, 26.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

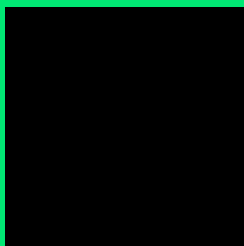
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0090, 58.9742, 26.2191

Background



This preview shows how black text looks on a background with the XYZ color 32.0090, 58.9742, 26.2191.

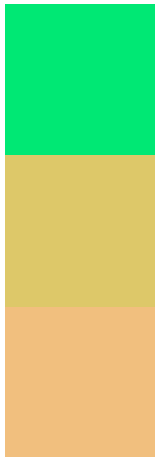


This preview shows how white text looks on a background with the XYZ color 32.0090, 58.9742,

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

32.0090, 58.9742, 26.2191

Protanopia

53.0229, 57.7006, 21.7073

Deuteranopia

58.6723, 57.4687, 27.7389



Tritanopia

44.5917, 58.8430, 88.3645

Trichromacy



Original Color

32.0090, 58.9742, 26.2191



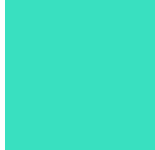
Protanomaly

37.2883, 53.8538, 22.8975



Deuteranomaly

38.7210, 52.3201, 26.4703



Tritanomaly

37.8574, 57.9869, 59.0665

Monochromacy



Original Color

32.0090, 58.9742, 26.2191



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.3548, 36.4792, 29.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0090, 58.9742, 26.2191 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(0, 232, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 116)  
}
```

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(0, 232, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 116) }
```

Border

The CSS property to change the border of an element to XYZ 32.0090, 58.9742, 26.2191 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(0, 232, 116) }
```


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

```
.border{ border-color:rgb(0, 232, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0090, 58.9742, 26.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 116) }
```

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

```
.background{ background-color: rgb(0, 232,  
116) }
```

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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