

Converting Colors

XYZ(24.7984, 32.8927, 11.1733)

Have a look what the booklet for
XYZ(24.7984, 32.8927, 11.1733)
contains.

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Color

**XYZ(24.7976, 32.8912,
11.1726)**

Conversions

Conversions Part 1

Format	Color
Hex	87A648
RGB	135, 166, 72
RGB Percent	53%, 65%, 28%
CMY	0.4706, 0.3490, 0.7176
CMYK	0.19, 0.00, 0.57, 0.35
HSL	80°, 39%, 47%
HSV	80°, 57%, 65%
XYZ	24.7976, 32.8912, 11.1726
YIQ	146.0150, 11.6980, -35.8060

Conversions

Conversions Part 2

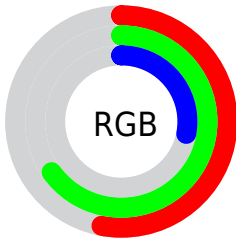
Format	Color
RYB	72, 166, 103
Decimal	8889928
CIELab	64.07, -25.65, 44.42
CIELCh	64, 51.296, 120.001
Yxy	32.8912, 0.3601, 0.4776
Android (android.graphics.Color)	4287080008 (0xFF87A648)
YUV	146.0150, -36.4894, -9.6602
Hunter-Lab	57.3509, -23.1834, 28.5952

Details

The XYZ color **24.7976, 32.8912, 11.1726** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.7952, 10.2724, 37.2812**, and the grayscale version is **27.4701, 28.9006, 31.4728**.

A 20% lighter version of the original color is **50.7297, 64.1153, 28.7705**, and **9.6233, 13.8790, 2.8335** is the 20% darker color. If you saturate the color by 10%, you get **23.4694, 32.2619, 8.6554**, and if you desaturate by 10%, it is **26.3190, 33.6053, 14.4634**.

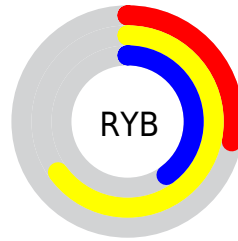
Distribution



Red (53%)

Green (65%)

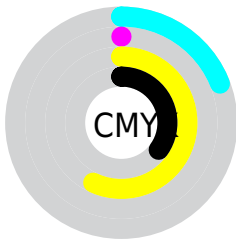
Blue (28%)



Red (28%)

Yellow (65%)

Blue (40%)

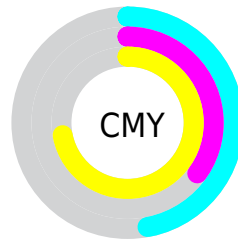


Cyan (19%)

Magenta (0%)

Yellow (57%)

Black (35%)



Cyan (47%)

Magenta (35%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7976, 32.8912, 11.1726 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 24.7976, 32.8912, 11.1726 by changing the saturation by 10% instead.

■ 24.7976, 32.8912,
11.1726

■ 24.7976, 32.8912,
11.1726

269.1947,
315.1592, 209.6277

■ 16.0543, 22.0431,
6.0674

■ 50.7739, 64.2056,
28.6204

■ 9.6536, 13.8886,
2.8167

■ 68.7376, 85.4408,
41.8001

■ 5.2304, 8.0432,
1.0018

■ 90.5055, 110.9070,
58.5084

■ 2.4192, 4.1226,
0.0000

■ 116.4429,
140.9888, 79.1638

■ 0.8547, 1.7424,
0.0000

■ 146.9152,
176.0705, 104.1849

■ 0.0000, 0.4509,
0.0000

182.2877,

■ 0.0000, 0.0000,

216.5366, 133.9902

0.0000

222.9257,
262.7713, 168.9983

■ 24.7976, 32.8912,
11.1726

■ 24.7976, 32.8912,
11.1726

■ 23.4694, 32.2619,
8.6554

■ 26.3190, 33.6053,
14.4634

■ 22.3192, 31.7078,
6.8462

■ 28.0425, 34.4044,
18.5823

■ 21.3331, 31.2244,
5.6718

■ 29.9793, 35.2943,
23.5812

■ 20.4904, 30.8034,
5.0265

■ 32.1390, 36.2787,
29.5072

■ 20.2242, 30.6697,
4.8539

■ 34.5306, 37.3614,
36.4040

■ 37.1623, 38.5458,
44.3127

■ 40.0421, 39.8351,
53.2718

■ 43.1776, 41.2324,
63.3179

■ 46.5759, 42.7406,
74.4858

Harmonies

Analogous

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



31.2619, 32.8912, 8.8885



24.7976, 32.8912, 11.1726



20.6777, 32.8912, 19.3317

Triad

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



24.7976, 32.8912, 11.1726



24.7979, 32.8912, 82.7028



47.3753, 32.8912, 35.8124

Complementary

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



24.7976, 32.8912, 11.1726



14.7952, 10.2724, 37.2812

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.



44.9541, 32.8912, 59.7101



24.7976, 32.8912, 11.1726



31.2623, 32.8912, 92.4027

Square

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



24.7976, 32.8912, 11.1726



20.6778, 32.8912, 59.7113



38.7625, 32.8912, 82.7020



44.9539, 32.8912, 19.3312

Rectangle

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



24.7976, 32.8912, 11.1726



19.4461, 32.8912, 29.3190



38.7625, 32.8912, 82.7020



47.0965, 32.8912, 43.2013

Sweetspot

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



24.7984, 32.8927, 11.1733



58.0425, 65.7101, 52.7521



21.6253, 18.0329, 8.4723



12.8150, 14.6256, 11.3194



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.7984, 32.8927, 11.1733



42.0115, 58.2709, 14.7222



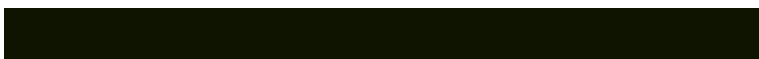
18.9493, 29.8773, 10.8996



7.9028, 8.6480, 8.0420



15.7328, 23.8078, 3.7662



0.4333, 0.6053, 0.0940

Inverse Universe

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



14.7952, 10.2724, 37.2812



22.1098, 13.1471, 66.8476



21.5534, 13.7564, 37.5975



7.3562, 7.4162, 9.4621



6.5935, 2.7825, 28.1651



0.2141, 0.0954, 0.6878

Previews

White Background



This preview shows how the XYZ color 24.7976, 32.8912, 11.1726 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 24.7976, 32.8912, 11.1726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

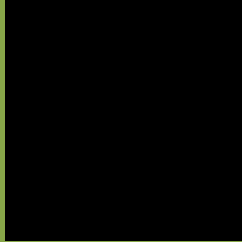
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7976, 32.8912, 11.1726

Background



This preview shows how black text looks on a background with the XYZ color 24.7976, 32.8912, 11.1726.



This preview shows how white text looks on a background with the XYZ color 24.7976, 32.8912,

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

24.7976, 32.8912, 11.1726

Protanopia

29.8088, 32.6430, 10.3599

Deuteranopia

33.2591, 32.4796, 11.5374



Tritanopia

30.9890, 32.8071, 41.7449

Trichromacy



Original Color

24.7976, 32.8912, 11.1726

Protanomaly

27.8017, 32.6094, 10.6233

Deuteranomaly

29.6202, 32.2771, 11.3256

Tritanomaly

28.1321, 32.6747, 27.0144

Monochromacy



Original Color

24.7976, 32.8912, 11.1726

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.8763, 29.8652, 21.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7976, 32.8912, 11.1726 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(135, 166, 72)` looks like.

```
.text, #text, p{  
    color:rgb(135, 166, 72)  
}
```

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(135, 166, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 166, 72) }
```

Border

The CSS property to change the border of an element to XYZ 24.7976, 32.8912, 11.1726 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(135, 166, 72) }
```


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

```
.border{ border-color:rgb(135, 166, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 166, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 166, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 166, 72);  
box-shadow:4px 4px 4px 4px rgb(135, 166,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7976, 32.8912, 11.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 166, 72) }
```

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

```
.background{ background-color: rgb(135,  
166, 72) }
```

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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