

Converting Colors

XYZ(24.8448, 32.0772, 12.7680)

Have a look what the booklet for
XYZ(24.8448, 32.0772, 12.7680)
contains.

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Color

**XYZ(24.9367, 32.1219,
12.8685)**

Conversions

Conversions Part 1

Format	Color
Hex	89A352
RGB	137, 163, 82
RGB Percent	54%, 64%, 32%
CMY	0.4627, 0.3608, 0.6784
CMYK	0.16, 0.00, 0.50, 0.36
HSL	79°, 33%, 48%
HSV	79°, 50%, 64%
XYZ	24.9367, 32.1219, 12.8685
YIQ	145.9920, 10.5050, -30.7030

Conversions

Conversions Part 2

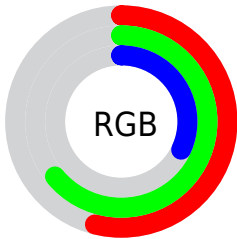
Format	Color
RYB	82, 163, 108
Decimal	9020242
CIELab	63.44, -22.34, 38.82
CIELCh	63, 44.792, 119.918
Yxy	32.1219, 0.3566, 0.4594
Android (android.graphics.Color)	4287210322 (0xFF89A352)
YUV	145.9920, -31.5481, -7.8860
Hunter-Lab	56.6762, -20.6459, 26.2114

Details

The XYZ color **24.9367, 32.1219, 12.8685** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.8137, 11.8679, 36.1094**, and the grayscale version is **27.4413, 28.8703, 31.4398**.

A 20% lighter version of the original color is **51.0433, 63.0427, 31.6685**, and **9.7053, 13.4100, 3.5157** is the 20% darker color. If you saturate the color by 10%, you get **23.5518, 31.4724, 9.9418**, and if you desaturate by 10%, it is **26.5121, 32.8547, 16.5746**.

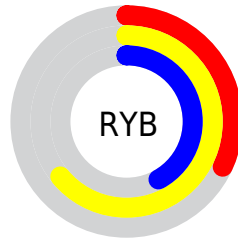
Distribution



Red (54%)

Green (64%)

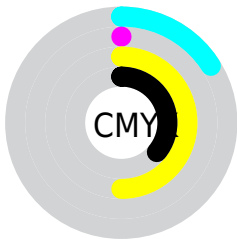
Blue (32%)



Red (32%)

Yellow (64%)

Blue (42%)

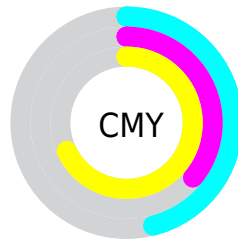


Cyan (16%)

Magenta (0%)

Yellow (50%)

Black (36%)



Cyan (46%)

Magenta (36%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9367, 32.1219, 12.8685 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 24.9367, 32.1219, 12.8685 by changing the saturation by 10% instead.

■ 24.9367, 32.1219,
12.8685

■ 24.9367, 32.1219,
12.8685

269.8760,
311.6742, 221.2513

■ 16.1584, 21.4546,
7.2084

■ 50.9981, 63.0021,
31.7551

■ 9.7279, 13.4567,
3.5124

■ 69.0120, 83.9839,
45.8186

■ 5.2798, 7.7438,
1.3618

■ 90.8350, 109.1726,
63.5203

■ 2.4488, 3.9314,
0.1117

■ 116.8327,
138.9526, 85.2788

■ 0.8695, 1.6353,
0.0000

■ 147.3702,
173.7084, 111.5127

■ 0.0000, 0.3812,
0.0000

182.8131,

■ 0.0000, 0.0000,

213.8244, 142.6403

0.0000

223.5265,
259.6848, 179.0804

■ 24.9367, 32.1219,
12.8685

■ 24.9367, 32.1219,
12.8685

■ 23.5518, 31.4724,
9.9418

■ 26.5121, 32.8547,
16.5746

■ 22.3439, 30.8972,
7.7365

■ 28.2859, 33.6706,
21.1084

■ 21.3013, 30.3929,
6.1900

■ 30.2681, 34.5748,
26.5167

■ 20.4091, 29.9533,
5.2281

■ 32.4674, 35.5709,
32.8423

■ 19.6355, 29.5657,
4.6862

■ 34.8920, 36.6621,
40.1252

■ 19.6126, 29.5542,
4.6708

■ 37.5494, 37.8516,
48.4027

■ 40.4469, 39.1423,
57.7107

■ 43.5915, 40.5371,
68.0827

■ 46.9898, 42.0386,
79.5511

Harmonies

Analogous

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



30.5480, 32.1219, 10.6606



24.9367, 32.1219, 12.8685



21.2929, 32.1219, 20.4418

Triad

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



24.9367, 32.1219, 12.8685



24.9108, 32.1219, 73.8599



44.1472, 32.1219, 35.0243

Complementary

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



24.9367, 32.1219, 12.8685



15.8137, 11.8679, 36.1094

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.



42.1157, 32.1219, 55.1468



24.9367, 32.1219, 12.8685



30.5138, 32.1219, 81.7310

Square

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



24.9367, 32.1219, 12.8685



21.2795, 32.1219, 55.0319



36.9048, 32.1219, 73.9406



42.1369, 32.1219, 20.5012

Rectangle

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



24.9367, 32.1219, 12.8685



20.1890, 32.1219, 29.3061



36.9048, 32.1219, 73.9406



43.9111, 32.1219, 41.3322

Sweetspot

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



24.9375, 32.1233, 12.8692



55.8951, 62.6846, 52.2813



21.9541, 19.0482, 10.5027



12.3791, 13.9995, 11.2436



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.9375, 32.1233, 12.8692



41.8513, 56.2074, 17.1670



19.5350, 29.3383, 12.6164



7.4273, 8.1228, 7.5565



15.2906, 22.9931, 3.6322



0.3672, 0.5068, 0.0785

Inverse Universe

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



15.8137, 11.8679, 36.1094



23.5813, 15.5716, 63.8189



21.8692, 14.9896, 36.3928



6.9046, 6.9652, 8.8836



6.2946, 2.6515, 27.1098



0.1797, 0.0802, 0.5719

Previews

White Background



This preview shows how the XYZ color 24.9367, 32.1219, 12.8685 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 24.9367, 32.1219, 12.8685 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 24.9367, 32.1219, 12.8685

Background



This preview shows how black text looks on a background with the XYZ color 24.9367, 32.1219, 12.8685.



This preview shows how white text looks on a background with the XYZ color 24.9367, 32.1219,

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

24.9367, 32.1219, 12.8685

Protanopia

29.1647, 31.7820, 11.9945

Deuteranopia

32.4521, 31.7944, 13.2306



Tritanopia

30.6513, 32.1603, 40.6685

Trichromacy



Original Color

24.9367, 32.1219, 12.8685

Protanomaly

27.4096, 31.8612, 12.2946

Deuteranomaly

29.2301, 31.5474, 13.1430

Tritanomaly

27.9317, 31.7925, 27.5861

Monochromacy



Original Color

24.9367, 32.1219, 12.8685

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.1311, 29.7262, 23.0994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9367, 32.1219, 12.8685 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(137, 163, 82)` looks like.

```
.text, #text, p{  
    color:rgb(137, 163, 82)  
}
```

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(137, 163, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 163, 82) }
```

Border

The CSS property to change the border of an element to XYZ 24.9367, 32.1219, 12.8685 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(137, 163, 82) }
```


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

```
.border{ border-color:rgb(137, 163, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 163, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 163, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 163, 82);  
box-shadow:4px 4px 4px 4px rgb(137, 163,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9367, 32.1219, 12.8685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 163, 82) }
```

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

```
.background{ background-color: rgb(137,  
163, 82) }
```

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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