

Converting Colors

XYZ(24.1056, 31.7158, 12.7460)

Have a look what the booklet for
XYZ(24.1056, 31.7158, 12.7460)
contains.

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Color

**XYZ(24.1359, 31.7091,
12.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	84A352
RGB	132, 163, 82
RGB Percent	52%, 64%, 32%
CMY	0.4824, 0.3608, 0.6784
CMYK	0.19, 0.00, 0.50, 0.36
HSL	83°, 33%, 48%
HSV	83°, 50%, 64%
XYZ	24.1359, 31.7091, 12.8310
YIQ	144.4970, 7.5250, -31.7630

Conversions

Conversions Part 2

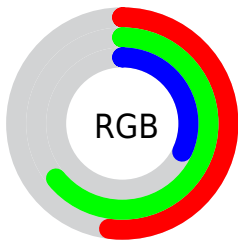
Format	Color
RYB	82, 163, 113
Decimal	8692562
CIELab	63.10, -24.33, 38.33
CIELCh	63, 45.399, 122.407
Yxy	31.7091, 0.3514, 0.4617
Android (android.graphics.Color)	4286882642 (0xFF84A352)
YUV	144.4970, -30.8110, -10.9599
Hunter-Lab	56.3108, -22.0354, 25.9078

Details

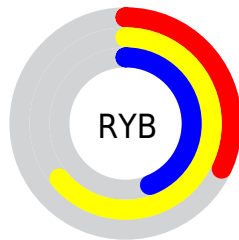
The XYZ color **24.1359, 31.7091, 12.8310** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.4395, 12.1905, 36.1387**, and the grayscale version is **26.8291, 28.2263, 30.7384**.

A 20% lighter version of the original color is **49.7986, 62.4011, 31.6102**, and **9.2672, 13.1842, 3.4952** is the 20% darker color. If you saturate the color by 10%, you get **22.6414, 31.0030, 9.8991**, and if you desaturate by 10%, it is **25.8376, 32.5070, 16.5430**.

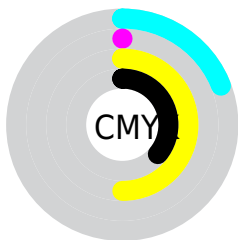
Distribution



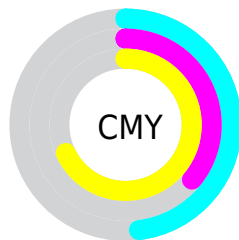
- Red (52%)
- Green (64%)
- Blue (32%)



- Red (32%)
- Yellow (64%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (50%)
- Black (36%)



- Cyan (48%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1359, 31.7091, 12.8310 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 24.1359, 31.7091, 12.8310 by changing the saturation by 10% instead.

■ 24.1359, 31.7091,
12.8310

■ 24.1359, 31.7091,
12.8310

265.9346,
309.7920, 221.0014

■ 15.5597, 21.1394,
7.1829

■ 49.7049, 62.3548,
31.6866

■ 9.3020, 13.2259,
3.4966

■ 67.4285, 83.1995,
45.7311

■ 4.9974, 7.5843,
1.3534

■ 88.9320, 108.2381,
63.4116

■ 2.2805, 3.8301,
0.1050

■ 114.5807,
137.8549, 85.1465

■ 0.7846, 1.5790,
0.0000

■ 144.7399,
172.4343, 111.3544

■ 0.0000, 0.3434,
0.0000

179.7750,

■ 0.0000, 0.0000,

212.3607, 142.4538

0.0000

220.0515,
258.0184, 178.8633

■ 24.1359, 31.7091,
12.8310

■ 24.1359, 31.7091,
12.8310

■ 22.6414, 31.0030,
9.8991

■ 25.8376, 32.5070,
16.5430

■ 21.3403, 30.3799,
7.6895

■ 27.7549, 33.3969,
21.0835

■ 20.2203, 29.8356,
6.1394


■ 29.8981, 34.3841,
26.4994


■ 19.2662, 29.3641,
5.1746


■ 32.2764, 35.4724,
32.8334


■ 18.4456, 28.9523,
4.6305


■ 34.8983, 36.6653,
40.1254

 18.4215, 28.9402,
4.6151

 37.7717, 37.9662,
48.4131

 40.9043, 39.3781,
57.7320

 44.3034, 40.9041,
68.1159

 47.9760, 42.5471,
79.5972

Harmonies

Analogous

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



29.6357, 31.7091, 10.2642



24.1359, 31.7091, 12.8310



20.6784, 31.7091, 20.8915

Triad

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



24.1359, 31.7091, 12.8310



24.8991, 31.7091, 74.9848



43.8382, 31.7091, 33.0978

Complementary

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



24.1359, 31.7091, 12.8310



16.4395, 12.1905, 36.1387

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.



42.1170, 31.7091, 53.0849



24.1359, 31.7091, 12.8310



30.6470, 31.7091, 81.7017

Square

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



24.1359, 31.7091, 12.8310



21.0742, 31.7091, 56.4968



37.0621, 31.7091, 72.5823



41.4881, 31.7091, 19.1480

Rectangle

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



24.1359, 31.7091, 12.8310



19.7108, 31.7091, 30.1675



37.0621, 31.7091, 72.5823



43.7164, 31.7091, 39.2849

Sweetspot

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



24.1367, 31.7105, 12.8317



55.3701, 62.4139, 52.2567



22.3895, 19.9190, 10.6478



12.2470, 13.9313, 11.2374



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.



24.1367, 31.7105, 12.8317



40.1956, 55.3538, 17.0895



19.1152, 29.1218, 12.5967



7.3855, 8.1012, 7.5545



14.3679, 22.5174, 3.5890



0.3521, 0.4990, 0.0778

Inverse Universe

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



16.4395, 12.1905, 36.1387



24.7763, 16.1876, 63.8748



22.6157, 15.3745, 36.4277



6.9448, 6.9859, 8.8855



6.7483, 2.8854, 27.1310



0.1935, 0.0873, 0.5725

Previews

White Background



This preview shows how the XYZ color 24.1359, 31.7091, 12.8310 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 24.1359, 31.7091, 12.8310 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 24.1359, 31.7091, 12.8310

Background



This preview shows how black text looks on a background with the XYZ color 24.1359, 31.7091, 12.8310.



This preview shows how white text looks on a background with the XYZ color 24.1359, 31.7091,

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

24.1359, 31.7091, 12.8310

Protanopia

28.7518, 31.3314, 11.7399

Deuteranopia

32.0548, 31.3618, 13.1681



Tritanopia

29.7662, 31.7040, 40.6270

Trichromacy



Original Color

24.1359, 31.7091, 12.8310

Protanomaly

26.8173, 31.3100, 12.0271

Deuteranomaly

28.5938, 31.2193, 13.1132

Tritanomaly

27.0776, 31.3522, 27.5461

Monochromacy



Original Color

24.1359, 31.7091, 12.8310

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.3330, 29.0891, 22.3687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1359, 31.7091, 12.8310 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(132, 163, 82)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 163, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 163, 82) }
```

Border

The CSS property to change the border of an element to XYZ 24.1359, 31.7091, 12.8310 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(132, 163, 82) }
```


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

```
.border{ border-color:rgb(132, 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(132, 163, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 163, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 163, 82);  
box-shadow:4px 4px 4px 4px rgb(132, 163,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1359, 31.7091, 12.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 163, 82) }
```

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

```
.background{ background-color: rgb(132,  
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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