

Converting Colors

XYZ(21.0841, 32.0708, 12.5088)

Have a look what the booklet for
XYZ(21.0841, 32.0708, 12.5088)
contains.

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Color

**XYZ(21.0415, 32.0233,
12.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	64AA4F
RGB	100, 170, 79
RGB Percent	39%, 67%, 31%
CMY	0.6078, 0.3333, 0.6902
CMYK	0.41, 0.00, 0.54, 0.33
HSL	106°, 37%, 49%
HSV	106°, 54%, 67%
XYZ	21.0415, 32.0233, 12.4692
YIQ	138.6960, -12.5090, -43.1410

Conversions

Conversions Part 2

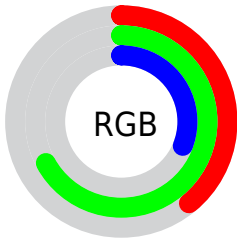
Format	Color
RYB	79, 170, 149
Decimal	6597199
CIELab	63.36, -39.61, 39.71
CIElCh	63, 56.085, 134.928
Yxy	32.0233, 0.3211, 0.4887
Android (android.graphics.Color)	4284787279 (0xFF64AA4F)
YUV	138.6960, -29.4301, -33.9364
Hunter-Lab	56.5891, -32.6594, 26.5481

Details

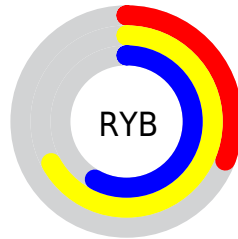
The XYZ color **21.0415, 32.0233, 12.4692** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **22.4477, 14.8848, 39.7219**, and the grayscale version is **24.5373, 25.8152, 28.1127**.

A 20% lighter version of the original color is **44.7432, 62.9730, 30.9159**, and **7.6652, 13.3692, 3.3389** is the 20% darker color. If you saturate the color by 10%, you get **19.1682, 31.1211, 9.5544**, and if you desaturate by 10%, it is **23.3069, 33.1112, 16.2297**.

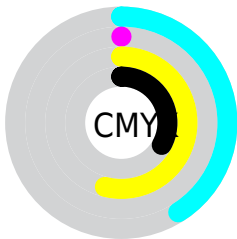
Distribution



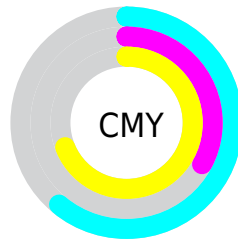
- Red (39%)
- Green (67%)
- Blue (31%)



- Red (31%)
- Yellow (67%)
- Blue (58%)



- Cyan (41%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)



- Cyan (61%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0415, 32.0233, 12.4692 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 21.0415, 32.0233, 12.4692 by changing the saturation by 10% instead.

■ 21.0415, 32.0233,
12.4692

■ 21.0415, 32.0233,
12.4692

250.2265,
311.2254, 218.5743

■ 13.2670, 21.3793,
6.9377

■ 44.6473, 62.8476,
31.0239

■ 7.6909, 13.4015,
3.3453

■ 61.2094, 83.7967,
44.8842

■ 3.9479, 7.7056,
1.2735

■ 81.4313, 108.9496,
62.3577

■ 1.6727, 3.9072,
0.0400

■ 105.6784,
138.6908, 83.8631

■ 0.4391, 1.6218,
0.0000

■ 134.3162,
173.4045, 109.8190

■ 0.0000, 0.3722,
0.0000

167.7099,

■ 0.0000, 0.0000,

213.4753, 140.6437

0.0000

206.2249,
259.2874, 176.7560

■ 21.0415, 32.0233,
12.4692

■ 21.0415, 32.0233,
12.4692

■ 19.1682, 31.1211,
9.5544

■ 23.3069, 33.1112,
16.2297

■ 17.6612, 30.3900,
7.4178

■ 25.9833, 34.3906,
20.8922

■ 16.4952, 29.8194,
5.9850

■ 29.0913, 35.8716,
26.5109

■ 15.6401, 29.3958,
5.1663

■ 32.6493, 37.5629,
33.1349

■ 15.2207, 29.1866,
4.8314

■ 36.6746, 39.4723,
40.8099

■ 41.1836, 41.6074,
49.5789

■ 46.1919, 43.9753,
59.4825

■ 51.7144, 46.5827,
70.5592

■ 57.7653, 49.4364,
82.8457

Harmonies

Analogous

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



26.7413, 32.0233, 7.6812



21.0415, 32.0233, 12.4692



18.1491, 32.0233, 24.8648

Triad

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



21.0415, 32.0233, 12.4692



26.7078, 32.0233, 94.8156



47.3155, 32.0233, 24.9484

Complementary

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



21.0415, 32.0233, 12.4692



22.4477, 14.8848, 39.7219

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.



47.3023, 32.0233, 47.2478



21.0415, 32.0233, 12.4692



34.4588, 32.0233, 94.8702

Square

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



21.0415, 32.0233, 12.4692



21.0206, 32.0233, 74.7575



42.2812, 32.0233, 74.8850



42.3145, 32.0233, 12.5079

Rectangle

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



21.0415, 32.0233, 12.4692



17.8254, 32.0233, 38.6820



42.2812, 32.0233, 74.8850



47.9218, 32.0233, 31.3132

Sweetspot

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



21.0423, 32.0247, 12.4699



57.3702, 67.2646, 56.6116



28.7008, 30.5332, 11.7784



12.5024, 14.8618, 12.0805



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0423, 32.0247, 12.4699



34.2867, 56.2261, 16.6091



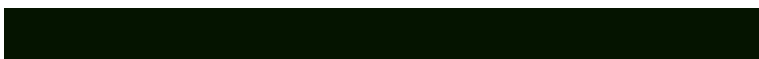
20.0618, 31.3979, 17.9060



7.5927, 8.4882, 8.0275



11.2381, 21.4907, 3.5558



0.3162, 0.5449, 0.0885

Inverse Universe

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



22.4477, 14.8848, 39.7219



37.0319, 21.8138, 71.2606



24.5423, 16.2059, 28.9213



7.6702, 7.5781, 9.4768



12.2474, 5.6972, 28.4297



0.3383, 0.1594, 0.6936

Previews

White Background



This preview shows how the XYZ color 21.0415, 32.0233, 12.4692 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 21.0415, 32.0233, 12.4692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

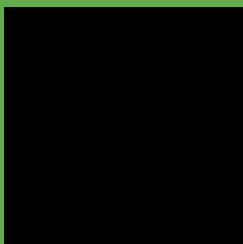
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.0415, 32.0233, 12.4692

Background



This preview shows how black text looks on a background with the XYZ color 21.0415, 32.0233, 12.4692.



This preview shows how white text looks on a background with the XYZ color 21.0415, 32.0233,

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

21.0415, 32.0233, 12.4692

Protanopia

28.9560, 31.6985, 10.8956

Deuteranopia

32.1683, 31.6527, 13.0085



Tritanopia

27.4497, 31.9406, 44.2536

Trichromacy



Original Color

21.0415, 32.0233, 12.4692

Protanomaly

25.1697, 31.2336, 11.3587

Deuteranomaly

26.8002, 31.0358, 12.7616

Tritanomaly

24.4912, 31.7945, 29.2722

Monochromacy



Original Color

21.0415, 32.0233, 12.4692

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.5747, 27.4570, 20.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0415, 32.0233, 12.4692 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(100, 170, 79)` looks like.

```
.text, #text, p{  
    color:rgb(100, 170, 79)  
}
```

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(100, 170, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 170, 79) }
```

Border

The CSS property to change the border of an element to XYZ 21.0415, 32.0233, 12.4692 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(100, 170, 79) }
```


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

```
.border{ border-color:rgb(100, 170, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 170, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 170, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 170, 79);  
box-shadow:4px 4px 4px 4px rgb(100, 170,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0415, 32.0233, 12.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 170, 79) }
```

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

```
.background{ background-color: rgb(100,  
170, 79) }
```

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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