

Converting Colors

XYZ(21.7795, 32.3916, 13.0876)

Have a look what the booklet for
XYZ(21.7795, 32.3916, 13.0876)
contains.

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Color

**XYZ(21.7234, 32.3619,
13.0842)**

Conversions

Conversions Part 1

Format	Color
Hex	69AA52
RGB	105, 170, 82
RGB Percent	41%, 67%, 32%
CMY	0.5882, 0.3333, 0.6784
CMYK	0.38, 0.00, 0.52, 0.33
HSL	104°, 35%, 49%
HSV	104°, 52%, 67%
XYZ	21.7234, 32.3619, 13.0842
YIQ	140.5330, -10.4920, -41.1480

Conversions

Conversions Part 2

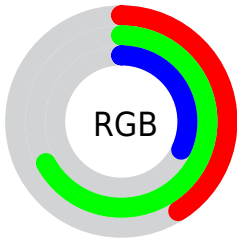
Format	Color
RYB	82, 170, 147
Decimal	6924882
CIELab	63.64, -37.58, 38.62
CIELCh	64, 53.882, 134.217
Yxy	32.3619, 0.3234, 0.4818
Android (android.graphics.Color)	4285114962 (0xFF69AA52)
YUV	140.5330, -28.8568, -31.1624
Hunter-Lab	56.8875, -31.3901, 26.1845

Details

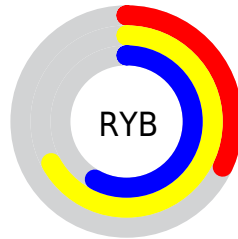
The XYZ color **21.7234, 32.3619, 13.0842** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **22.3072, 15.1410, 39.7788**, and the grayscale version is **25.2476, 26.5624, 28.9264**.

A 20% lighter version of the original color is **45.7281, 63.4571, 32.0286**, and **8.0010, 13.5362, 3.6299** is the 20% darker color. If you saturate the color by 10%, you get **19.7876, 31.4306, 10.0252**, and if you desaturate by 10%, it is **24.0389, 33.4724, 16.9989**.

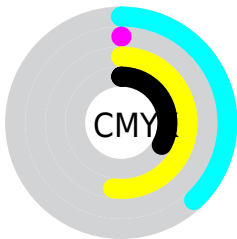
Distribution



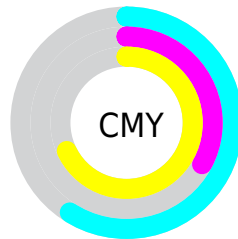
- Red (41%)
- Green (67%)
- Blue (32%)



- Red (32%)
- Yellow (67%)
- Blue (58%)



- Cyan (38%)
- Magenta (0%)
- Yellow (52%)
- Black (33%)



- Cyan (59%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7234, 32.3619, 13.0842 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 21.7234, 32.3619, 13.0842 by changing the saturation by 10% instead.

■ 21.7234, 32.3619,
13.0842

■ 21.7234, 32.3619,
13.0842

253.7580,
312.7645, 222.6833

■ 13.7693, 21.6381,
7.3551

■ 45.7707, 63.3780,
32.1484

■ 8.0410, 13.5912,
3.6034

■ 62.5945, 84.4391,
46.3206

■ 4.1732, 7.8369,
1.4104

■ 83.1057, 109.7147,
64.1442

■ 1.8006, 3.9908,
0.1498

■ 107.6694,
139.5892, 86.0379

■ 0.5180, 1.6684,
0.0000

■ 136.6512,
174.4471, 112.4201

■ 0.0000, 0.4031,
0.0000

170.4163,

■ 0.0000, 0.0000,

214.6726, 143.7094

0.0000

209.3301,
260.6503, 180.3243

■ 21.7234, 32.3619,
13.0842

■ 21.7234, 32.3619,
13.0842

■ 19.7876, 31.4306,
10.0252

■ 24.0389, 33.4724,
16.9989

■ 18.2075, 30.6647,
7.7557

■ 26.7516, 34.7668,
21.8247

■ 16.9600, 30.0546,
6.2037

■ 29.8804, 36.2548,
27.6146

■ 16.0176, 29.5882,
5.2824

■ 33.4426, 37.9443,
34.4172

■ 15.4326, 29.2958,
4.8413

■ 37.4542, 39.8426,
42.2777

■ 41.9306, 41.9565,
51.2384

■ 46.8863, 44.2928,
61.3397

■ 52.3352, 46.8578,
72.6195

■ 58.2906, 49.6576,
85.1143

Harmonies

Analogous

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



27.3371, 32.3619, 8.3821



21.7234, 32.3619, 13.0842



18.8202, 32.3619, 25.1154

Triad

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



21.7234, 32.3619, 13.0842



26.9853, 32.3619, 92.1250



47.0442, 32.3619, 25.9991

Complementary

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



21.7234, 32.3619, 13.0842



22.3072, 15.1410, 39.7788

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.



46.9084, 32.3619, 47.7662



21.7234, 32.3619, 13.0842



34.4552, 32.3619, 92.6828

Square

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



21.7234, 32.3619, 13.0842



21.5022, 32.3619, 72.8036



42.0060, 32.3619, 74.1114



42.3514, 32.3619, 13.5026

Rectangle

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



21.7234, 32.3619, 13.0842



18.4573, 32.3619, 38.3760



42.0060, 32.3619, 74.1114



47.5831, 32.3619, 32.2733

Sweetspot

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



21.7242, 32.3633, 13.0849



57.6510, 67.4094, 56.6247



28.4632, 29.8793, 12.2503



12.5712, 14.8973, 12.0837



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.



21.7242, 32.3633, 13.0849



35.4738, 56.8186, 17.5473



20.2802, 31.5147, 17.7243



7.6138, 8.4990, 8.0285



11.3978, 21.5730, 3.5633



0.3240, 0.5489, 0.0889

Inverse Universe

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



22.3072, 15.1410, 39.7788



36.5851, 22.0808, 71.3357



25.0582, 16.7664, 30.5464



7.6477, 7.5665, 9.4757



11.6747, 5.4020, 28.4028



0.3280, 0.1541, 0.6931

Previews

White Background



This preview shows how the XYZ color 21.7234, 32.3619, 13.0842 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 21.7234, 32.3619, 13.0842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

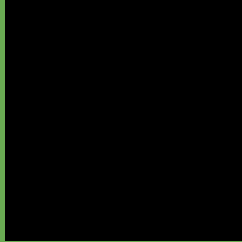
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.7234, 32.3619, 13.0842

Background



This preview shows how black text looks on a background with the XYZ color 21.7234, 32.3619, 13.0842.



This preview shows how white text looks on a background with the XYZ color 21.7234, 32.3619,

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

21.7234, 32.3619, 13.0842

Protanopia

29.4727, 32.1931, 11.6817

Deuteranopia

32.5339, 31.8271, 13.6611



Tritanopia

27.9988, 32.2237, 44.2793

Trichromacy



Original Color

21.7234, 32.3619, 13.0842

Protanomaly

25.8361, 31.8171, 12.1767

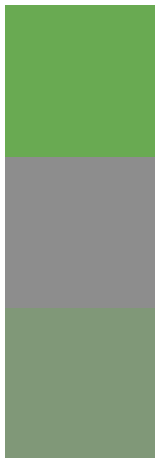
Deuteranomaly

27.3057, 31.2827, 13.4031

Tritanomaly

25.0793, 32.0892, 29.6830

Monochromacy



Original Color

21.7234, 32.3619, 13.0842

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.5205, 28.4017, 22.0117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7234, 32.3619, 13.0842 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(105, 170, 82)` looks like.

```
.text, #text, p{  
    color:rgb(105, 170, 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(105, 170, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 170, 82) }
```

Border

The CSS property to change the border of an element to XYZ 21.7234, 32.3619, 13.0842 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(105, 170, 82) }
```


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

```
.border{ border-color:rgb(105, 170, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 170, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 170, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 170, 82);  
box-shadow:4px 4px 4px 4px rgb(105, 170,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7234, 32.3619, 13.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 170, 82) }
```

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

```
.background{ background-color: rgb(105,  
170, 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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