

Converting Colors

XYZ(21.8896, 32.0589, 10.6347)

Have a look what the booklet for
XYZ(21.8896, 32.0589, 10.6347)
contains.

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Color

**XYZ(21.7589, 31.8797,
10.6368)**

Conversions

Conversions Part 1

Format	Color
Hex	70A845
RGB	112, 168, 69
RGB Percent	44%, 66%, 27%
CMY	0.5608, 0.3412, 0.7294
CMYK	0.33, 0.00, 0.59, 0.34
HSL	94°, 42%, 46%
HSV	94°, 59%, 66%
XYZ	21.7589, 31.8797, 10.6368
YIQ	139.9700, -1.5970, -42.6610

Conversions

Conversions Part 2

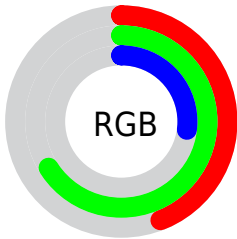
Format	Color
RYB	69, 168, 125
Decimal	7383109
CIELab	63.24, -35.70, 44.51
CIELCh	63, 57.060, 128.726
Yxy	31.8797, 0.3385, 0.4960
Android (android.graphics.Color)	4285573189 (0xFF70A845)
YUV	139.9700, -34.9882, -24.5297
Hunter-Lab	56.4621, -30.0198, 28.3539

Details

The XYZ color **21.7589, 31.8797, 10.6368** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.6549, 11.4444, 38.3261**, and the grayscale version is **25.0485, 26.3529, 28.6983**.

A 20% lighter version of the original color is **46.0432, 62.9073, 27.8047**, and **8.0206, 13.2258, 2.5820** is the 20% darker color. If you saturate the color by 10%, you get **20.1636, 31.1103, 8.2149**, and if you desaturate by 10%, it is **23.6311, 32.7768, 13.8436**.

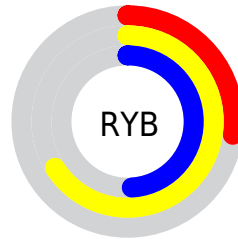
Distribution



Red (44%)

Green (66%)

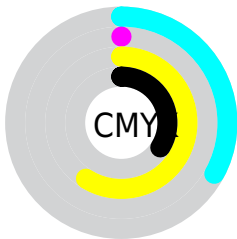
Blue (27%)



Red (27%)

Yellow (66%)

Blue (49%)

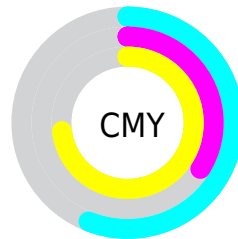


Cyan (33%)

Magenta (0%)

Yellow (59%)

Black (34%)



Cyan (56%)

Magenta (34%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7589, 31.8797, 10.6368 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 21.7589, 31.8797, 10.6368 by changing the saturation by 10% instead.

■ 21.7589, 31.8797,
10.6368

■ 21.7589, 31.8797,
10.6368

253.9407,
310.5709, 205.8057

■ 13.7955, 21.2696,
5.7121

■ 45.8290, 62.6224,
27.6129

■ 8.0593, 13.3212,
2.6049

■ 62.6664, 83.5239,
40.5013

■ 4.1850, 7.6501,
0.8950

■ 83.1925, 108.6246,
56.8814

■ 1.8073, 3.8719,
0.0000

■ 107.7726,
138.3090, 77.1717

■ 0.5221, 1.6022,
0.0000

■ 136.7721,
172.9614, 101.7908

■ 0.0000, 0.3591,
0.0000

170.5564,

■ 0.0000, 0.0000,

212.9663, 131.1571

0.0000

209.4908,
258.7080, 165.6892

■ 21.7589, 31.8797,
10.6368

■ 21.7589, 31.8797,
10.6368

■ 20.1636, 31.1103,
8.2149

■ 23.6311, 32.7768,
13.8436

■ 18.8261, 30.4571,
6.5082

■ 25.7929, 33.8039,
17.8933

■ 17.7280, 29.9136,
5.4380

■ 28.2590, 34.9682,
22.8404

■ 16.8360, 29.4658,
4.8518

■ 31.0423, 36.2755,
28.7345

■ 16.7484, 29.4218,
4.7962

■ 34.1547, 37.7308,
35.6216

■ 37.6076, 39.3391,
43.5447

■ 41.4119, 41.1050,
52.5440

■ 45.5778, 43.0330,
62.6578

■ 50.1150, 45.1274,
73.9225

Harmonies

Analogous

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



28.0548, 31.8797, 7.0280



21.7589, 31.8797, 10.6368



18.2385, 31.8797, 21.2024

Triad

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



21.7589, 31.8797, 10.6368



25.1182, 31.8797, 93.0562



47.9253, 31.8797, 28.5228

Complementary

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



21.7589, 31.8797, 10.6368



17.6549, 11.4444, 38.3261

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.



46.7686, 31.8797, 53.0028



21.7589, 31.8797, 10.6368



32.6634, 31.8797, 97.8851

Square

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



21.7589, 31.8797, 10.6368



19.9307, 31.8797, 69.6466



40.8282, 31.8797, 80.8953



43.7587, 31.8797, 13.9936

Rectangle

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



21.7589, 31.8797, 10.6368



17.5133, 31.8797, 33.7537



40.8282, 31.8797, 80.8953



48.1592, 31.8797, 35.6874

Sweetspot

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



21.7597, 31.8811, 10.6375



56.6484, 65.9742, 52.8357



24.3628, 23.0336, 8.7926



12.0232, 14.2278, 10.8171



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.



21.7597, 31.8811, 10.6375



35.7181, 56.0282, 13.7226



17.6922, 29.7657, 11.2831



7.7343, 8.5611, 8.0341



12.7039, 22.2463, 3.6244



0.3682, 0.5717, 0.0909

Inverse Universe

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



17.6549, 11.4444, 38.3261



27.5249, 15.3960, 68.7461



24.8932, 15.2281, 36.3029



7.5226, 7.5020, 9.4699



8.9637, 4.0044, 28.2760



0.2751, 0.1268, 0.6906

Previews

White Background



This preview shows how the XYZ color 21.7589, 31.8797, 10.6368 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 21.7589, 31.8797, 10.6368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

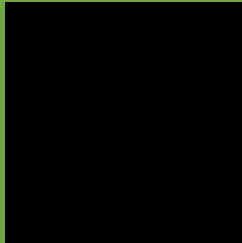
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.7589, 31.8797, 10.6368

Background



This preview shows how black text looks on a background with the XYZ color 21.7589, 31.8797, 10.6368.



This preview shows how white text looks on a background with the XYZ color 21.7589, 31.8797,

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

21.7589, 31.8797, 10.6368

Protanopia

28.8942, 31.6987, 9.4461

Deuteranopia

32.1344, 31.4502, 11.0334



Tritanopia

28.2350, 31.8680, 42.6932

Trichromacy



Original Color

21.7589, 31.8797, 10.6368

Protanomaly

25.6047, 31.2366, 9.8340

Deuteranomaly

27.0910, 30.7371, 10.8083

Tritanomaly

25.1800, 31.6717, 26.9764

Monochromacy



Original Color

21.7589, 31.8797, 10.6368

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.1495, 27.7734, 20.0603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7589, 31.8797, 10.6368 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(112, 168, 69)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 69)  
}
```

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(112, 168, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 69) }
```

Border

The CSS property to change the border of an element to XYZ 21.7589, 31.8797, 10.6368 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(112, 168, 69) }
```


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

```
.border{ border-color:rgb(112, 168, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 168, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 168, 69); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 168, 69); box-shadow:4px 4px 4px 4px rgb(112, 168, 69) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7589, 31.8797, 10.6368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 69) }
```

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

```
.background{ background-color: rgb(112,  
168, 69) }
```

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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