

Converting Colors

XYZ(21.7231, 33.3944, 9.9195)

Have a look what the booklet for
XYZ(21.7231, 33.3944, 9.9195)
contains.

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Color

**XYZ(21.6388, 33.2382,
9.8326)**

Conversions

Conversions Part 1

Format	Color
Hex	69AD3E
RGB	105, 173, 62
RGB Percent	41%, 68%, 24%
CMY	0.5882, 0.3216, 0.7568
CMYK	0.39, 0.00, 0.64, 0.32
HSL	97°, 47%, 46%
HSV	97°, 64%, 68%
XYZ	21.6388, 33.2382, 9.8326
YIQ	140.0140, -4.8970, -48.9370

Conversions

Conversions Part 2

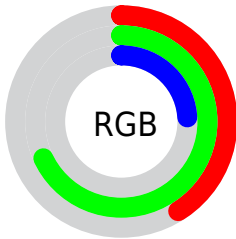
Format	Color
RYB	62, 173, 130
Decimal	6925630
CIELab	64.35, -41.04, 48.81
CIELCh	64, 63.775, 130.060
Yxy	33.2382, 0.3344, 0.5137
Android (android.graphics.Color)	4285115710 (0xFF69AD3E)
YUV	140.0140, -38.4609, -30.7073
Hunter-Lab	57.6526, -33.8954, 30.2449

Details

The XYZ color **21.6388, 33.2382, 9.8326** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.4730, 11.2093, 40.7270**, and the grayscale version is **25.0797, 26.3858, 28.7341**.

A 20% lighter version of the original color is **45.5538, 64.7271, 26.0122**, and **7.9831, 14.0859, 2.2981** is the 20% darker color. If you saturate the color by 10%, you get **20.0696, 32.4767, 7.6636**, and if you desaturate by 10%, it is **23.5159, 34.1431, 12.8061**.

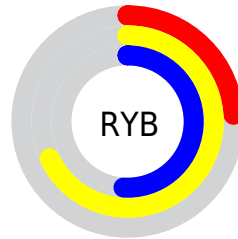
Distribution



Red (41%)

Green (68%)

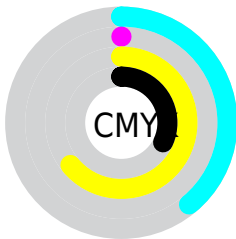
Blue (24%)



Red (24%)

Yellow (68%)

Blue (51%)

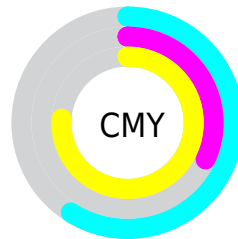


Cyan (39%)

Magenta (0%)

Yellow (64%)

Black (32%)



Cyan (59%)

Magenta (32%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6388, 33.2382, 9.8326 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 21.6388, 33.2382, 9.8326 by changing the saturation by 10% instead.

■ 21.6388, 33.2382,
9.8326

■ 21.6388, 33.2382,
9.8326

253.3221,
316.7217, 199.9143

■ 13.7069, 22.3090,
5.1840

■ 45.6316, 64.7472,
26.0830

■ 7.9974, 14.0841,
2.2950

■ 62.4232, 86.0959,
38.5219

■ 4.1451, 8.1792,
0.7284

■ 82.8986, 111.6864,
54.3946

■ 1.7845, 4.2098,
0.0000

■ 107.4234,
141.9032, 74.1197

■ 0.5083, 1.7916,
0.0000

■ 136.3627,
177.1308, 98.1156

■ 0.0000, 0.4819,
0.0000

170.0821,

■ 0.0000, 0.0000,

217.7535, 126.8010

0.0000

208.9468,
264.1556, 160.5944

■ 21.6388, 33.2382,
9.8326

■ 21.6388, 33.2382,
9.8326

■ 20.0696, 32.4767,
7.6636

■ 23.5159, 34.1431,
12.8061

■ 18.7853, 31.8452,
6.2182

■ 25.7170, 35.1949,
16.6507

■ 17.7627, 31.3351,
5.4022

■ 28.2594, 36.4025,
21.4281

■ 17.2600, 31.0823,
5.0898

■ 31.1587, 37.7725,
27.1943

■ 34.4292, 39.3113,
34.0004

■ 38.0846, 41.0247,
41.8944

■ 42.1376, 42.9186,
50.9210

■ 46.6004, 44.9981,
61.1224

■ 51.4848, 47.2684,
72.5390

Harmonies

Analogous

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



28.6405, 33.2382, 5.9149



21.6388, 33.2382, 9.8326



17.8625, 33.2382, 21.6819

Triad

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



21.6388, 33.2382, 9.8326



26.0063, 33.2382, 106.4380



52.0786, 33.2382, 28.1435

Complementary

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



21.6388, 33.2382, 9.8326



18.4730, 11.2093, 40.7270

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.



51.0006, 33.2382, 56.0513



21.6388, 33.2382, 9.8326



34.7394, 33.2382, 111.0769

Square

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



21.6388, 33.2382, 9.8326



20.0291, 33.2382, 78.8280



44.2070, 33.2382, 89.5037



46.9195, 33.2382, 12.6131

Rectangle

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



21.6388, 33.2382, 9.8326



17.1567, 33.2382, 36.2432



44.2070, 33.2382, 89.5037



52.4539, 33.2382, 36.1383

Sweetspot

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



21.6396, 33.2396, 9.8333



58.5448, 68.9380, 54.3489



25.9021, 24.8288, 7.9852



12.3769, 14.8188, 11.0955



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.



21.6396, 33.2396, 9.8333



34.9195, 57.6607, 12.4924



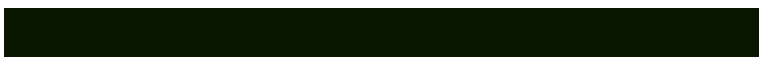
18.1371, 31.3952, 11.4253



8.1869, 9.0849, 8.5354



12.7394, 22.8645, 3.7419



0.4167, 0.6682, 0.1070

Inverse Universe

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



18.4730, 11.2093, 40.7270



28.7160, 15.0404, 72.1954



25.4702, 14.9355, 35.6779



8.0321, 7.9908, 10.0717



9.9722, 4.5007, 29.3876



0.3362, 0.1555, 0.8203

Previews

White Background



This preview shows how the XYZ color 21.6388, 33.2382, 9.8326 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 21.6388, 33.2382, 9.8326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

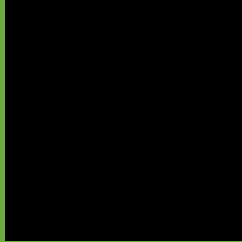
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.6388, 33.2382, 9.8326

Background



This preview shows how black text looks on a background with the XYZ color 21.6388, 33.2382, 9.8326.



This preview shows how white text looks on a background with the XYZ color 21.6388, 33.2382,

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

21.6388, 33.2382, 9.8326

Protanopia

29.8606, 32.9566, 8.6583

Deuteranopia

33.4336, 32.8285, 10.3687



Tritanopia

28.8266, 33.1468, 45.4361

Trichromacy



Original Color

21.6388, 33.2382, 9.8326

Protanomaly

25.9225, 32.4523, 9.0353

Deuteranomaly

27.5673, 31.9928, 10.0325

Tritanomaly

25.1418, 32.7067, 27.5422

Monochromacy



Original Color

21.6388, 33.2382, 9.8326

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

22.9053, 28.1384, 19.5532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6388, 33.2382, 9.8326 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, 173, 62)` looks like.

```
.text, #text, p{  
    color:rgb(105, 173, 62)  
}
```

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, 173, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 173, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.6388, 33.2382, 9.8326 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, 173, 62) }
```


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

```
.border{ border-color:rgb(105, 173, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 173, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 173, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 173, 62);  
box-shadow:4px 4px 4px 4px rgb(105, 173,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6388, 33.2382, 9.8326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 173, 62) }
```

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

```
.background{ background-color: rgb(105,  
173, 62) }
```

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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