

Converting Colors

XYZ(21.9527, 32.7945, 9.6596)

Have a look what the booklet for
XYZ(21.9527, 32.7945, 9.6596)
contains.

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Color

**XYZ(21.9880, 32.8531,
9.7398)**

Conversions

Conversions Part 1

Format	Color
Hex	6FAB3E
RGB	111, 171, 62
RGB Percent	44%, 67%, 24%
CMY	0.5647, 0.3294, 0.7569
CMYK	0.35, 0.00, 0.64, 0.33
HSL	93°, 47%, 46%
HSV	93°, 64%, 67%
XYZ	21.9880, 32.8531, 9.7398
YIQ	140.6340, -0.7710, -46.6190

Conversions

Conversions Part 2

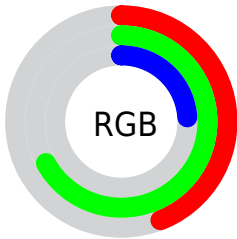
Format	Color
RYB	62, 171, 122
Decimal	7318334
CIELab	64.04, -38.07, 48.56
CIELCh	64, 61.701, 128.096
Yxy	32.8531, 0.3405, 0.5087
Android (android.graphics.Color)	4285508414 (0xFF6FAB3E)
YUV	140.6340, -38.7666, -25.9890
Hunter-Lab	57.3176, -31.8303, 30.0474

Details

The XYZ color **21.9880, 32.8531, 9.7398** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.1007, 10.5240, 39.6599**, and the grayscale version is **25.3220, 26.6408, 29.0118**.

A 20% lighter version of the original color is **46.2322, 64.2601, 25.8863**, and **8.1713, 13.8289, 2.2673** is the 20% darker color. If you saturate the color by 10%, you get **20.4682, 32.1166, 7.5932**, and if you desaturate by 10%, it is **23.7819, 33.7159, 12.6713**.

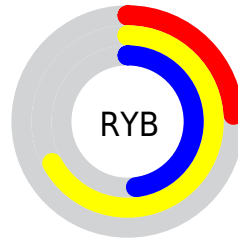
Distribution



Red (44%)

Green (67%)

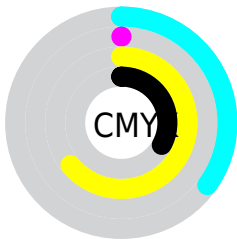
Blue (24%)



Red (24%)

Yellow (67%)

Blue (48%)

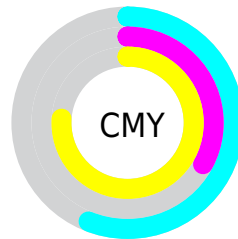


Cyan (35%)

Magenta (0%)

Yellow (64%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9880, 32.8531, 9.7398 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 21.9880, 32.8531, 9.7398 by changing the saturation by 10% instead.

■ 21.9880, 32.8531,
9.7398

■ 21.9880, 32.8531,
9.7398

255.1171,
314.9873, 199.2216

■ 13.9646, 22.0139,
5.1234

■ 46.2052, 64.1461,
25.9050

■ 8.1776, 13.8671,
2.2599

■ 63.1297, 85.3688,
38.2910

■ 4.2616, 8.0283,
0.7086

■ 83.7519, 110.8213,
54.1039

■ 1.8512, 4.1131,
0.0000

■ 108.4373,
140.8883, 73.7623

■ 0.5482, 1.7370,
0.0000

■ 137.5512,
175.9539, 97.6848

■ 0.0000, 0.4475,
0.0000

171.4589,

■ 0.0000, 0.0000,

216.4027, 126.2898

0.0000

210.5257,
262.6190, 159.9959

■ 21.9880, 32.8531,
9.7398

■ 21.9880, 32.8531,
9.7398

■ 20.4682, 32.1166,
7.5932

■ 23.7819, 33.7159,
12.6713

■ 19.2018, 31.4943,
6.1532

■ 25.8638, 34.7076,
16.4517

■ 18.1684, 30.9787,
5.3296

■ 28.2491, 35.8360,
21.1409

■ 17.6136, 30.6995,
4.9973

■ 30.9515, 37.1068,
26.7928

■ 33.9837, 38.5256,
33.4570

■ 37.3575, 40.0974,
41.1799

■ 41.0842, 41.8272,
50.0047

■ 45.1746, 43.7194,
59.9725

■ 49.6388, 45.7787,
71.1222

Harmonies

Analogous

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



28.9254, 32.8531, 6.1935



21.9880, 32.8531, 9.7398



18.1185, 32.8531, 20.6918

Triad

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



21.9880, 32.8531, 9.7398



25.3838, 32.8531, 101.3078



50.9222, 32.8531, 29.4308

Complementary

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



21.9880, 32.8531, 9.7398



17.1007, 10.5240, 39.6599

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.



49.4916, 32.8531, 56.8218



21.9880, 32.8531, 9.7398



33.6452, 32.8531, 107.4021

Square

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



21.9880, 32.8531, 9.7398



19.8100, 32.8531, 74.2912



42.7448, 32.8531, 88.3747



46.3530, 32.8531, 13.5837

Rectangle

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



21.9880, 32.8531, 9.7398



17.2964, 32.8531, 34.2010



42.7448, 32.8531, 88.3747



51.1411, 32.8531, 37.3893

Sweetspot

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



21.9888, 32.8545, 9.7405



57.7484, 67.5397, 53.0120



24.6187, 22.9138, 7.6831



12.5483, 14.9071, 11.1036



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.



21.9888, 32.8545, 9.7405



35.7883, 57.0921, 12.5313



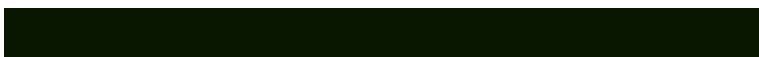
17.5772, 30.5621, 10.3544



8.2335, 9.1090, 8.5376



13.3364, 23.1723, 3.7698



0.4345, 0.6774, 0.1078

Inverse Universe

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



17.1007, 10.5240, 39.6599



26.3135, 13.9508, 70.3078



25.3602, 14.8407, 37.3899



7.9845, 7.9663, 10.0695



9.0928, 4.0474, 29.3465



0.3148, 0.1445, 0.8193

Previews

White Background



This preview shows how the XYZ color 21.9880, 32.8531, 9.7398 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 21.9880, 32.8531, 9.7398 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 21.9880, 32.8531, 9.7398

Background



This preview shows how black text looks on a background with the XYZ color 21.9880, 32.8531, 9.7398.



This preview shows how white text looks on a background with the XYZ color 21.9880, 32.8531,

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

21.9880, 32.8531, 9.7398

Protanopia

29.4731, 32.5088, 8.5923

Deuteranopia

32.9938, 32.3735, 10.1400



Tritanopia

28.8660, 32.6708, 44.3198

Trichromacy



Original Color

21.9880, 32.8531, 9.7398

Protanomaly

26.1120, 32.2895, 8.9939

Deuteranomaly

27.7721, 31.8517, 9.8385

Tritanomaly

25.3943, 32.3093, 27.0882

Monochromacy



Original Color

21.9880, 32.8531, 9.7398

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.3588, 28.3722, 19.5745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9880, 32.8531, 9.7398 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(111, 171, 62)` looks like.

```
.text, #text, p{  
    color:rgb(111, 171, 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(111, 171, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 171, 62) }
```

Border

The CSS property to change the border of an element to XYZ 21.9880, 32.8531, 9.7398 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(111, 171, 62) }
```


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

```
.border{ border-color:rgb(111, 171, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 171, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 171, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 171, 62);  
box-shadow:4px 4px 4px 4px rgb(111, 171,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9880, 32.8531, 9.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 171, 62) }
```

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

```
.background{ background-color: rgb(111,  
171, 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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