

Converting Colors

XYZ(21.4796, 32.3994, 7.4040)

Have a look what the booklet for
XYZ(21.4796, 32.3994, 7.4040)
contains.

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Color

**XYZ(21.4929, 32.3686,
7.4005)**

Conversions

Conversions Part 1

Format	Color
Hex	70AA2B
RGB	112, 170, 43
RGB Percent	44%, 67%, 17%
CMY	0.5608, 0.3333, 0.8314
CMYK	0.34, 0.00, 0.75, 0.33
HSL	87°, 60%, 42%
HSV	87°, 75%, 67%
XYZ	21.4929, 32.3686, 7.4005
YIQ	138.1800, 6.1990, -51.7930

Conversions

Conversions Part 2

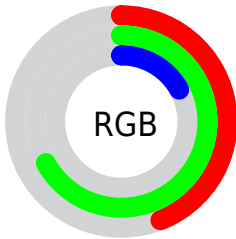
Format	Color
RYB	43, 170, 101
Decimal	7383595
CIELab	63.65, -38.69, 55.70
CIELCh	64, 67.817, 124.781
Yxy	32.3686, 0.3508, 0.5284
Android (android.graphics.Color)	4285573675 (0xFF70AA2B)
YUV	138.1800, -46.9237, -22.9599
Hunter-Lab	56.8934, -32.1307, 32.1131

Details

The XYZ color **21.4929, 32.3686, 7.4005** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.4879, 7.3977, 38.7490**, and the grayscale version is **24.3992, 25.6698, 27.9544**.

A 20% lighter version of the original color is **45.5494, 63.5994, 21.4305**, and **8.0486, 13.5924, 2.1994** is the 20% darker color. If you saturate the color by 10%, you get **20.2982, 31.7826, 6.0424**, and if you desaturate by 10%, it is **22.9043, 33.0534, 9.4485**.

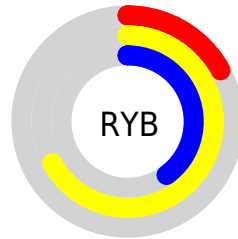
Distribution



Red (44%)

Green (67%)

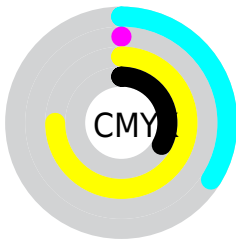
Blue (17%)



Red (17%)

Yellow (67%)

Blue (40%)

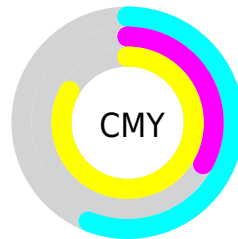


Cyan (34%)

Magenta (0%)

Yellow (75%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4929, 32.3686, 7.4005 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 21.4929, 32.3686, 7.4005 by changing the saturation by 10% instead.

■ 21.4929, 32.3686,
7.4005

■ 21.4929, 32.3686,
7.4005

252.5689,
312.7949, 180.7065

■ 13.5993, 21.6432,
3.6316

■ 45.3915, 63.3885,
21.3009

■ 7.9223, 13.5950,
1.4255

■ 62.1273, 84.4518,
32.2695

■ 4.0967, 7.8395,
0.1615

■ 82.5411, 109.7298,
46.4751

■ 1.7570, 3.9924,
0.0000

■ 106.9984,
139.6070, 64.3362

■ 0.4915, 1.6693,
0.0000

■ 135.8644,
174.4677, 86.2713

■ 0.0000, 0.4037,
0.0000

■ 169.5047,

■ 0.0000, 0.0000,

214.6963, 112.6991

0.0000

208.2844,
260.6773, 144.0380

■ 21.4929, 32.3686,
7.4005

■ 21.4929, 32.3686,
7.4005

■ 20.2982, 31.7826,
6.0424

■ 22.9043, 33.0534,
9.4485

■ 19.2983, 31.2830,
5.2797

■ 24.5466, 33.8395,
12.2602

■ 18.8249, 31.0446,
5.0000

■ 26.4351, 34.7344,
15.9023

■ 28.5828, 35.7435,
20.4335

■ 31.0018, 36.8719,
25.9075

■ 33.7031, 38.1242,
32.3734

■ 36.6974, 39.5048,
39.8770

■ 39.9944, 41.0178,
48.4614

■ 43.6034, 42.6673,
58.1670

Harmonies

Analogous

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



29.2708, 32.3686, 4.6165



21.4929, 32.3686, 7.4005



17.0430, 32.3686, 17.3485

Triad

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



21.4929, 32.3686, 7.4005



23.6323, 32.3686, 106.7323



52.7458, 32.3686, 31.0689

Complementary

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



21.4929, 32.3686, 7.4005



13.4879, 7.3977, 38.7490

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.



50.3834, 32.3686, 62.5028



21.4929, 32.3686, 7.4005



32.3100, 32.3686, 117.0881

Square

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



21.4929, 32.3686, 7.4005



18.0886, 32.3686, 74.2091



42.3818, 32.3686, 97.8801



48.3016, 32.3686, 13.0610

Rectangle

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



21.4929, 32.3686, 7.4005



15.9462, 32.3686, 30.7039



42.3818, 32.3686, 97.8801



52.7284, 32.3686, 40.2107

Sweetspot

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



21.4937, 32.3700, 7.4012



57.3301, 67.4004, 49.5449



21.5865, 17.8649, 4.5965



12.5108, 14.9032, 10.4065



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.



21.4937, 32.3700, 7.4012



35.5352, 57.0196, 9.9014



16.0954, 29.5871, 7.1486



7.8115, 8.6009, 8.0377



13.9121, 22.8692, 3.6810



0.3964, 0.5863, 0.0923

Inverse Universe

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



13.4879, 7.3977, 38.7490



20.3138, 9.3826, 69.7422



23.3586, 12.4863, 39.2110



7.4451, 7.4621, 9.4663



7.6900, 3.3478, 28.2164



0.2465, 0.1121, 0.6893

Previews

White Background



This preview shows how the XYZ color 21.4929, 32.3686, 7.4005 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 21.4929, 32.3686, 7.4005 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 21.4929, 32.3686, 7.4005

Background



This preview shows how black text looks on a background with the XYZ color 21.4929, 32.3686, 7.4005.



This preview shows how white text looks on a background with the XYZ color 21.4929, 32.3686,

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

21.4929, 32.3686, 7.4005

Protanopia

28.9351, 32.0283, 6.5765

Deuteranopia

32.6597, 32.0213, 7.8275



Tritanopia

28.8021, 32.4037, 43.2646

Trichromacy



Original Color

21.4929, 32.3686, 7.4005

Protanomaly

25.5315, 31.7788, 6.7958

Deuteranomaly

27.3800, 31.4510, 7.5333

Tritanomaly

24.9037, 31.8606, 23.9059

Monochromacy



Original Color

21.4929, 32.3686, 7.4005

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.4078, 27.4591, 16.9511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4929, 32.3686, 7.4005 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, 170, 43)` looks like.

```
.text, #text, p{  
    color:rgb(112, 170, 43)  
}
```

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, 170, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 170, 43) }
```

Border

The CSS property to change the border of an element to XYZ 21.4929, 32.3686, 7.4005 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, 170, 43) }
```


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

```
.border{ border-color:rgb(112, 170, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 170, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 170, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 170, 43);  
box-shadow:4px 4px 4px 4px rgb(112, 170,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4929, 32.3686, 7.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 170, 43) }
```

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

```
.background{ background-color: rgb(112,  
170, 43) }
```

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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