

Converting Colors

XYZ(21.4557, 32.4564, 11.5068)

Have a look what the booklet for
XYZ(21.4557, 32.4564, 11.5068)
contains.

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Color

**XYZ(21.4744, 32.5499,
11.4543)**

Conversions

Conversions Part 1

Format	Color
Hex	68AB49
RGB	104, 171, 73
RGB Percent	41%, 67%, 29%
CMY	0.5922, 0.3294, 0.7137
CMYK	0.39, 0.00, 0.57, 0.33
HSL	101°, 40%, 48%
HSV	101°, 57%, 67%
XYZ	21.4744, 32.5499, 11.4543
YIQ	139.7950, -8.4740, -44.6820

Conversions

Conversions Part 2

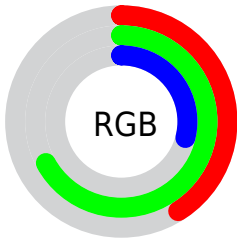
Format	Color
RYB	73, 171, 140
Decimal	6859593
CIELab	63.79, -39.41, 43.16
CIELCh	64, 58.451, 132.399
Yxy	32.5499, 0.3280, 0.4971
Android (android.graphics.Color)	4285049673 (0xFF68AB49)
YUV	139.7950, -32.9299, -31.3922
Hunter-Lab	57.0525, -32.6550, 28.0333

Details

The XYZ color **21.4744, 32.5499, 11.4543** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **20.5501, 13.2819, 40.0104**, and the grayscale version is **24.9745, 26.2751, 28.6136**.

A 20% lighter version of the original color is **45.4688, 63.7898, 29.3182**, and **7.8804, 13.6640, 2.9315** is the 20% darker color. If you saturate the color by 10%, you get **19.7195, 31.7030, 8.8089**, and if you desaturate by 10%, it is **23.5750, 33.5590, 14.9309**.

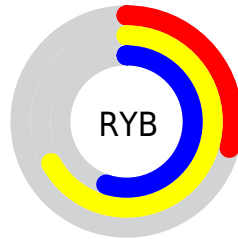
Distribution



Red (41%)

Green (67%)

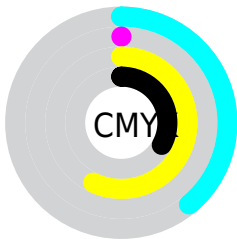
Blue (29%)



Red (29%)

Yellow (67%)

Blue (55%)

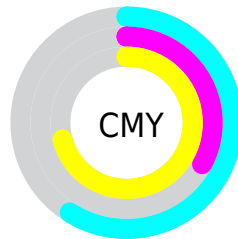


Cyan (39%)

Magenta (0%)

Yellow (57%)

Black (33%)



Cyan (59%)

Magenta (33%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4744, 32.5499, 11.4543 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 21.4744, 32.5499, 11.4543 by changing the saturation by 10% instead.

■ 21.4744, 32.5499,
11.4543

■ 21.4744, 32.5499,
11.4543

252.4733,
313.6167, 211.6064

■ 13.5856, 21.7819,
6.2553

■ 45.3611, 63.6722,
29.1466

■ 7.9128, 13.6967,
2.9296

■ 62.0897, 84.7952,
42.4770

■ 4.0905, 7.9100,
1.0588

■ 82.4957, 110.1387,
59.3549

■ 1.7535, 4.0374,
0.0000

■ 106.9444,
140.0870, 80.1989

■ 0.4894, 1.6945,
0.0000

■ 135.8012,
175.0246, 105.4275

■ 0.0000, 0.4201,
0.0000

169.4313,

■ 0.0000, 0.0000,

215.3358, 135.4593

0.0000

208.2003,
261.4050, 170.7127

■ 21.4744, 32.5499,
11.4543

■ 21.4744, 32.5499,
11.4543

■ 19.7195, 31.7030,
8.8089

■ 23.5750, 33.5590,
14.9309

■ 18.2871, 31.0048,
6.9230

■ 26.0377, 34.7345,
19.2983

■ 17.1545, 30.4464,
5.7167

■ 28.8809, 36.0855,
24.6128

■ 16.2895, 30.0140,
5.0669

■ 32.1206, 37.6193,
30.9257

■ 16.0896, 29.9139,
4.9259

■ 35.7722, 39.3427,
38.2845

■ 39.8500, 41.2620,
46.7338

■ 44.3676, 43.3835,
56.3154

■ 49.3380, 45.7130,
67.0691

■ 54.7739, 48.2561,
79.0326

Harmonies

Analogous

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



27.6731, 32.5499, 7.0973



21.4744, 32.5499, 11.4543



18.2071, 32.5499, 23.4614

Triad

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



21.4744, 32.5499, 11.4543



26.4090, 32.5499, 98.2897



49.0411, 32.5499, 26.6000

Complementary

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



21.4744, 32.5499, 11.4543



20.5501, 13.2819, 40.0104

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.



48.5391, 32.5499, 50.9310



21.4744, 32.5499, 11.4543



34.4495, 32.5499, 100.3994

Square

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



21.4744, 32.5499, 11.4543



20.6905, 32.5499, 75.4596



42.8384, 32.5499, 80.3603



44.1084, 32.5499, 12.8747

Rectangle

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



21.4744, 32.5499, 11.4543



17.7030, 32.5499, 37.3658



42.8384, 32.5499, 80.3603



49.5240, 32.5499, 33.5840

Sweetspot

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



21.4752, 32.5513, 11.4550



57.5291, 67.3737, 55.3942



27.3718, 27.8868, 10.2439



12.5661, 14.9002, 11.8331



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.



21.4752, 32.5513, 11.4550



34.5104, 56.3849, 14.6579



19.1985, 31.2986, 14.9201



8.1340, 9.0577, 8.5330



12.1778, 22.5750, 3.7156



0.3963, 0.6576, 0.1061

Inverse Universe

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



20.5501, 13.2819, 40.0104



32.6084, 18.4280, 70.8402



24.9309, 15.7249, 31.8741



8.0870, 8.0191, 10.0743



11.1192, 5.0920, 29.4413



0.3626, 0.1691, 0.8215

Previews

White Background



This preview shows how the XYZ color 21.4744, 32.5499, 11.4543 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 21.4744, 32.5499, 11.4543 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 21.4744, 32.5499, 11.4543

Background



This preview shows how black text looks on a background with the XYZ color 21.4744, 32.5499, 11.4543.



This preview shows how white text looks on a background with the XYZ color 21.4744, 32.5499,

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

21.4744, 32.5499, 11.4543

Protanopia

29.3936, 32.1865, 10.1322

Deuteranopia

32.7131, 31.9558, 12.0333



Tritanopia

28.1729, 32.5718, 44.3373

Trichromacy



Original Color

21.4744, 32.5499, 11.4543

Protanomaly

25.7089, 31.7869, 10.5748

Deuteranomaly

27.1615, 31.2476, 11.6210

Tritanomaly

25.0407, 32.3612, 28.5935

Monochromacy



Original Color

21.4744, 32.5499, 11.4543

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

22.9714, 27.9062, 20.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4744, 32.5499, 11.4543 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(104, 171, 73)` looks like.

```
.text, #text, p{  
    color:rgb(104, 171, 73)  
}
```

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(104, 171, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 171, 73) }
```

Border

The CSS property to change the border of an element to XYZ 21.4744, 32.5499, 11.4543 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(104, 171, 73) }
```


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

```
.border{ border-color:rgb(104, 171, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 171, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 171, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 171, 73);  
box-shadow:4px 4px 4px 4px rgb(104, 171,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4744, 32.5499, 11.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 171, 73) }
```

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

```
.background{ background-color: rgb(104,  
171, 73) }
```

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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