

Converting Colors

XYZ(19.5505, 32.1849, 12.8001)

Have a look what the booklet for
XYZ(19.5505, 32.1849, 12.8001)
contains.

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Color

**XYZ(19.4521, 32.0441,
12.7493)**

Conversions

Conversions Part 1

Format	Color
Hex	4DAD50
RGB	77, 173, 80
RGB Percent	30%, 68%, 31%
CMY	0.6980, 0.3216, 0.6863
CMYK	0.55, 0.00, 0.54, 0.32
HSL	122°, 38%, 49%
HSV	122°, 55%, 68%
XYZ	19.4521, 32.0441, 12.7493
YIQ	133.6940, -27.3630, -49.2750

Conversions

Conversions Part 2

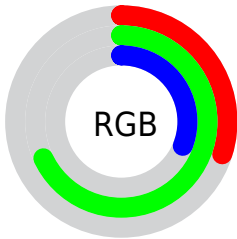
Format	Color
RYB	77, 170, 173
Decimal	5090640
CIELab	63.38, -47.50, 39.02
CIELCh	63, 61.468, 140.600
Yxy	32.0441, 0.3028, 0.4988
Android (android.graphics.Color)	4283280720 (0xFF4DAD50)
YUV	133.6940, -26.4711, -49.7206
Hunter-Lab	56.6075, -37.7250, 26.2718

Details

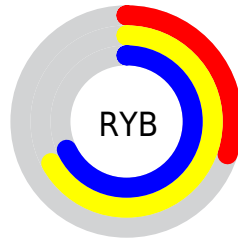
The XYZ color **19.4521, 32.0441, 12.7493** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **27.1441, 17.0948, 39.8999**, and the grayscale version is **22.6496, 23.8291, 25.9499**.

A 20% lighter version of the original color is **41.9476, 62.7456, 31.3730**, and **6.9508, 13.5267, 3.4729** is the 20% darker color. If you saturate the color by 10%, you get **17.6936, 31.2014, 9.8282**, and if you desaturate by 10%, it is **21.7378, 33.1427, 16.5026**.

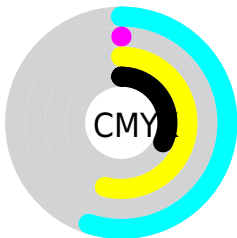
Distribution



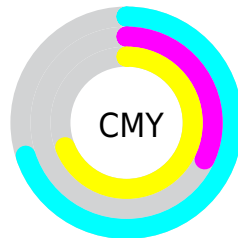
- Red (30%)
- Green (68%)
- Blue (31%)



- Red (30%)
- Yellow (67%)
- Blue (68%)



- Cyan (55%)
- Magenta (0%)
- Yellow (54%)
- Black (32%)



- Cyan (70%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4521, 32.0441, 12.7493 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 19.4521, 32.0441, 12.7493 by changing the saturation by 10% instead.

■ 19.4521, 32.0441,
12.7493

■ 19.4521, 32.0441,
12.7493

241.8239,
311.3201, 220.4558

■ 12.1033, 21.3952,
7.1274

■ 42.0076, 62.8802,
31.5372

■ 6.8868, 13.4132,
3.4623

■ 57.9452, 83.8362,
45.5403

■ 3.4371, 7.7137,
1.3353

■ 77.4763, 108.9967,
63.1743

■ 1.3889, 3.9123,
0.0904

■ 100.9664,
138.7460, 84.8577

■ 0.2483, 1.6246,
0.0000

■ 128.7809,
173.4687, 111.0090

■ 0.0000, 0.3741,
0.0000

161.2850,

■ 0.0000, 0.0000,

213.5489, 142.0467

0.0000

198.8442,
259.3713, 178.3895

■ 19.4521, 32.0441,
12.7493

■ 19.4521, 32.0441,
12.7493

■ 17.6936, 31.2014,
9.8282

■ 21.7378, 33.1427,
16.5026

■ 16.4182, 30.5902,
7.6742

■ 24.5857, 34.5111,
21.1426

■ 15.5784, 30.1887,
6.2159

■ 28.0307, 36.1671,
26.7216

■ 15.1143, 29.9677,
5.3673

■ 32.1038, 38.1258,
33.2872

■ 14.9738, 29.9003,
5.1375

■ 36.8343, 40.4012,
40.8839

■ 42.2493, 43.0064,
49.5534

■ 48.3746, 45.9540,
59.3350

■ 55.2346, 49.2556,
70.2663

■ 62.8526, 52.9225,
82.3829

Harmonies

Analogous

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



25.0390, 32.0441, 6.7931



19.4521, 32.0441, 12.7493



16.9633, 32.0441, 27.7616

Triad

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



19.4521, 32.0441, 12.7493



27.8538, 32.0441, 104.8559



48.5510, 32.0441, 20.8265

Complementary

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



19.4521, 32.0441, 12.7493



27.1441, 17.0948, 39.8999

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.



49.6912, 32.0441, 43.1461



19.4521, 32.0441, 12.7493



36.6050, 32.0441, 99.9884

Square

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



19.4521, 32.0441, 12.7493



21.1808, 32.0441, 85.2829



44.9835, 32.0441, 74.0449



42.1093, 32.0441, 9.7127

Rectangle

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



19.4521, 32.0441, 12.7493



17.0037, 32.0441, 44.2720



44.9835, 32.0441, 74.0449



49.6086, 32.0441, 26.9379

Sweetspot

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



19.4529, 32.0454, 12.7500



56.0916, 67.6042, 57.3563



33.1664, 39.1275, 12.8256



11.8746, 14.5402, 11.9569



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.



19.4529, 32.0454, 12.7500



30.9936, 55.5454, 16.4379



21.8097, 32.9882, 25.1608



7.9143, 8.9433, 8.5736



11.0041, 21.9669, 3.7952



0.3093, 0.6124, 0.1225

Inverse Universe

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



27.1441, 17.0948, 39.8999



46.1953, 25.9672, 70.0786



23.4886, 15.6326, 20.6505



8.3261, 8.1437, 10.0280



17.8292, 8.5942, 27.8097



0.4993, 0.2404, 0.7909

Previews

White Background



This preview shows how the XYZ color 19.4521, 32.0441, 12.7493 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 19.4521, 32.0441, 12.7493 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 19.4521, 32.0441, 12.7493

Background



This preview shows how black text looks on a background with the XYZ color 19.4521, 32.0441, 12.7493.



This preview shows how white text looks on a background with the XYZ color 19.4521, 32.0441,

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

19.4521, 32.0441, 12.7493

Protanopia

28.9560, 31.6985, 10.8956

Deuteranopia

32.0954, 31.3780, 13.3818



Tritanopia

26.0793, 31.9816, 45.8728

Trichromacy



Original Color

19.4521, 32.0441, 12.7493



Protanomaly

24.0287, 30.8977, 11.5349



Deuteranomaly

25.1756, 30.1938, 12.8886



Tritanomaly

22.9408, 31.7847, 30.1252

Monochromacy



Original Color

19.4521, 32.0441, 12.7493



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.4372, 25.9054, 19.8427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4521, 32.0441, 12.7493 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(77, 173, 80)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 80)  
}
```

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(77, 173, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 80) }
```

Border

The CSS property to change the border of an element to XYZ 19.4521, 32.0441, 12.7493 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(77, 173, 80) }
```


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

```
.border{ border-color:rgb(77, 173, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 80);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4521, 32.0441, 12.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 80) }
```

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

```
.background{ background-color: rgb(77, 173,  
80) }
```

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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