

Converting Colors

XYZ(16.4953, 24.6490, 16.7203)

Have a look what the booklet for
XYZ(16.4953, 24.6490, 16.7203)
contains.

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Color

**XYZ(16.4953, 24.6490,
16.7203)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9767
RGB	76, 151, 103
RGB Percent	30%, 59%, 40%
CMY	0.7020, 0.4078, 0.5961
CMYK	0.50, 0.00, 0.32, 0.41
HSL	142°, 33%, 45%
HSV	142°, 50%, 59%
XYZ	16.4953, 24.6490, 16.7203
YIQ	123.1030, -29.2920, -30.8280

Conversions

Conversions Part 2

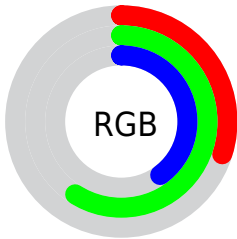
Format	Color
RYB	76, 131, 151
Decimal	5019495
CIELab	56.73, -34.60, 18.30
CIElCh	57, 39.143, 152.128
Yxy	24.6490, 0.2851, 0.4260
Android (android.graphics.Color)	4283209575 (0xFF4C9767)
YUV	123.1030, -9.9108, -41.3093
Hunter-Lab	49.6478, -27.5776, 14.7858

Details

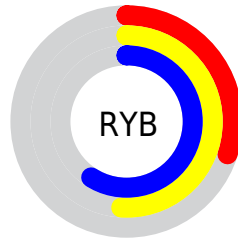
The XYZ color **16.4953, 24.6490, 16.7203** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.9859, 13.2040, 20.6177**, and the grayscale version is **18.8999, 19.8842, 21.6538**.

A 20% lighter version of the original color is **36.9573, 51.1428, 38.4955**, and **5.4251, 9.3378, 5.2578** is the 20% darker color. If you saturate the color by 10%, you get **14.9762, 23.9194, 14.2620**, and if you desaturate by 10%, it is **18.3534, 25.5482, 19.4883**.

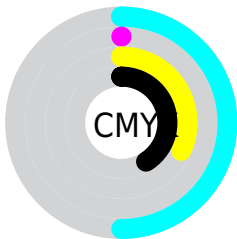
Distribution



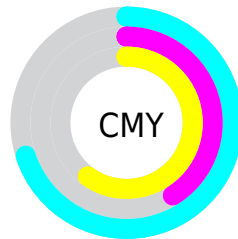
- Red (30%)
- Green (59%)
- Blue (40%)



- Red (30%)
- Yellow (51%)
- Blue (59%)



- Cyan (50%)
- Magenta (0%)
- Yellow (32%)
- Black (41%)



- Cyan (70%)
- Magenta (41%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4953, 24.6490, 16.7203 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 16.4953, 24.6490, 16.7203 by changing the saturation by 10% instead.

■ 16.4953, 24.6490,
16.7203

■ 16.4953, 24.6490,
16.7203

225.4603,
276.0854, 245.5445

■ 9.9684, 15.8157,
9.8754

■ 37.0065, 51.0872,
38.6283

■ 5.4401, 9.3939,
5.2119

■ 51.7215, 69.4610,
54.5285

■ 2.5451, 4.9990,
2.3112

■ 69.8965, 91.7837,
74.2842

■ 0.9181, 2.2467,
0.7375

■ 91.8970, 118.4398,
98.3140

■ 0.0000, 0.7453,
0.0000

■ 118.0883,
149.8136, 127.0363

■ 0.0000, 0.0000,
0.0000

148.8357,

186.2895, 160.8699

184.5046,
228.2520, 200.2331

■ 16.4953, 24.6490,
16.7203

■ 16.4953, 24.6490,
16.7203

■ 14.9762, 23.9194,
14.2620

■ 18.3534, 25.5482,
19.4883

■ 13.7723, 23.3454,
12.1007

■ 20.5683, 26.6241,
22.5747

■ 12.8595, 22.9154,
10.2254


■ 23.1592, 27.8868,
25.9898


■ 12.2092, 22.6149,
8.6236


■ 26.1428, 29.3449,
29.7433


■ 11.7553, 22.4101,
7.2804


■ 29.5353, 31.0066,
33.8440

 11.7414, 22.4039,
7.2401

 33.3516, 32.8793,
38.3008

 37.6060, 34.9702,
43.1220

 42.3121, 37.2862,
48.3158

 47.4829, 39.8338,
53.8899

Harmonies

Analogous

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



19.0642, 24.6490, 10.6852



16.4953, 24.6490, 16.7203



15.7073, 24.6490, 27.7827

Triad

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



16.4953, 24.6490, 16.7203



23.7555, 24.6490, 60.6026



31.6733, 24.6490, 15.5687

Complementary

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



16.4953, 24.6490, 16.7203



18.9859, 13.2040, 20.6177

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.



33.3374, 24.6490, 25.9161



16.4953, 24.6490, 16.7203



28.4119, 24.6490, 54.2444

Square

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



16.4953, 24.6490, 16.7203



19.5604, 24.6490, 55.7500



32.0734, 24.6490, 40.3860



27.7748, 24.6490, 10.1881

Rectangle

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



16.4953, 24.6490, 16.7203



16.2029, 24.6490, 37.4622



32.0734, 24.6490, 40.3860



32.5338, 24.6490, 18.4412

Sweetspot

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



16.4959, 24.6500, 16.7209



43.7194, 51.0366, 49.4036



20.7930, 26.9973, 10.9529



9.7063, 11.4873, 10.9367



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4959, 24.6500, 16.7209



26.4535, 42.6598, 24.9133



18.7631, 25.5569, 28.6595



6.2195, 6.9605, 7.0791



10.0010, 19.0638, 6.2258



0.1659, 0.2916, 0.1793

Inverse Universe

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



18.9859, 13.2040, 20.6177



31.4467, 19.6397, 32.6787



17.0782, 12.4409, 10.5721



6.3668, 6.2859, 7.3115



12.6927, 6.3313, 10.1727



0.2070, 0.1016, 0.2430

Previews

White Background



This preview shows how the XYZ color 16.4953, 24.6490, 16.7203 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4953, 24.6490, 16.7203 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 × Fail

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

XYZ 16.4953, 24.6490, 16.7203

Background



This preview shows how black text looks on a background with the XYZ color 16.4953, 24.6490, 16.7203.



This preview shows how white text looks on a background with the XYZ color 16.4953, 24.6490,

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

16.4953, 24.6490, 16.7203

Protanopia

22.6294, 24.2835, 14.5608

Deuteranopia

24.7900, 24.3171, 17.5745



Tritanopia

20.0938, 24.4707, 35.1167

Trichromacy



Original Color

16.4953, 24.6490, 16.7203

Protanomaly

19.6622, 24.0156, 15.4035

Deuteranomaly

20.5921, 23.8068, 17.1455

Tritanomaly

18.6052, 24.5584, 27.4266

Monochromacy



Original Color

16.4953, 24.6490, 16.7203

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.4838, 21.1002, 19.6742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4953, 24.6490, 16.7203 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(76, 151, 103)` looks like.

```
.text, #text, p{  
    color:rgb(76, 151, 103)  
}
```

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(76, 151, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 151, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.4953, 24.6490, 16.7203 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(76, 151, 103) }
```


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

```
.border{ border-color:rgb(76, 151, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 151, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 151, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 151, 103);  
box-shadow:4px 4px 4px 4px rgb(76, 151,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4953, 24.6490, 16.7203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 151, 103) }
```

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

```
.background{ background-color: rgb(76, 151,  
103) }
```

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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