

Converting Colors

XYZ(16.2379, 24.9227, 13.6378)

Have a look what the booklet for
XYZ(16.2379, 24.9227, 13.6378)
contains.

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Color

**XYZ(16.1343, 24.7724,
13.6041)**

Conversions

Conversions Part 1

Format	Color
Hex	4D985A
RGB	77, 152, 90
RGB Percent	30%, 60%, 35%
CMY	0.6980, 0.4039, 0.6471
CMYK	0.49, 0.00, 0.41, 0.40
HSL	130°, 33%, 45%
HSV	130°, 49%, 60%
XYZ	16.1343, 24.7724, 13.6041
YIQ	122.5070, -24.7980, -35.1820

Conversions

Conversions Part 2

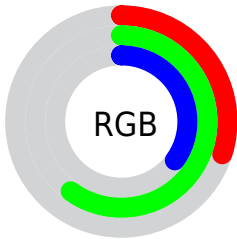
Format	Color
RYB	77, 141, 152
Decimal	5085274
CIELab	56.85, -37.17, 25.62
CIELCh	57, 45.150, 145.422
Yxy	24.7724, 0.2960, 0.4544
Android (android.graphics.Color)	4283275354 (0xFF4D985A)
YUV	122.5070, -16.0260, -39.9096
Hunter-Lab	49.7719, -29.2373, 18.6346

Details

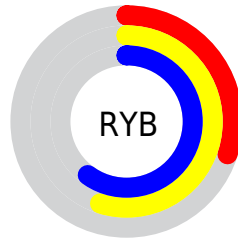
The XYZ color **16.1343, 24.7724, 13.6041** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.2638, 13.8478, 26.0319**, and the grayscale version is **18.7219, 19.6969, 21.4499**.

A 20% lighter version of the original color is **36.4806, 51.3740, 33.1928**, and **5.2427, 9.4174, 3.8269** is the 20% darker color. If you saturate the color by 10%, you get **14.5579, 24.0171, 10.9707**, and if you desaturate by 10%, it is **18.0890, 25.7137, 16.7283**.

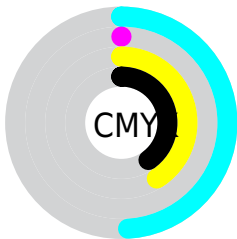
Distribution



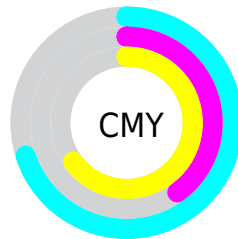
- Red (30%)
- Green (60%)
- Blue (35%)



- Red (30%)
- Yellow (55%)
- Blue (60%)



- Cyan (49%)
- Magenta (0%)
- Yellow (41%)
- Black (40%)



- Cyan (70%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1343, 24.7724, 13.6041 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 16.1343, 24.7724, 13.6041 by changing the saturation by 10% instead.

■ 16.1343, 24.7724,
13.6041

■ 16.1343, 24.7724,
13.6041

223.3877,
276.7026, 226.0959

■ 9.7107, 15.9076,
7.7102

■ 36.3868, 51.2877,
33.0918

■ 5.2683, 9.4588,
3.8250

■ 50.9463, 69.7071,
47.5228

■ 2.4419, 5.0416,
1.5298

■ 68.9486, 92.0800,
65.6366

■ 0.8661, 2.2717,
0.2400

■ 90.7589, 118.7909,
87.8516

■ 0.0000, 0.7587,
0.0000

■ 116.7426,
150.2242, 114.5866

■ 0.0000, 0.0000,
0.0000

147.2651,

186.7644, 146.2599

182.6917,
228.7957, 183.2902

■ 16.1343, 24.7724,
13.6041

■ 16.1343, 24.7724,
13.6041

■ 14.5579, 24.0171,
10.9707

■ 18.0890, 25.7137,
16.7283

■ 13.3331, 23.4324,
8.8016

■ 20.4427, 26.8490,
20.3648

■ 12.4326, 23.0056,
7.0703


■ 23.2168, 28.1896,
24.5357


■ 11.8244, 22.7207,
5.7467


■ 26.4304, 29.7451,
29.2615


■ 11.4411, 22.5438,
4.7959


■ 30.1018, 31.5242,
34.5615

 11.4190, 22.5335,
4.7453

 34.2480, 33.5355,
40.4541

 38.8852, 35.7870,
46.9569

 44.0288, 38.2861,
54.0867

 49.6935, 41.0402,
61.8597

Harmonies

Analogous

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



19.4492, 24.7724, 8.3086



16.1343, 24.7724, 13.6041



14.8034, 24.7724, 24.7172

Triad

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



16.1343, 24.7724, 13.6041



22.7440, 24.7724, 67.5952



33.9608, 24.7724, 16.3145

Complementary

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



16.1343, 24.7724, 13.6041



20.2638, 13.8478, 26.0319

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.



35.1893, 24.7724, 29.3619



16.1343, 24.7724, 13.6041



28.1798, 24.7724, 62.6939

Square

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



16.1343, 24.7724, 13.6041



18.2391, 24.7724, 58.7076



32.9363, 24.7724, 47.0767



29.7924, 24.7724, 9.4132

Rectangle

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



16.1343, 24.7724, 13.6041



15.0493, 24.7724, 35.4703



32.9363, 24.7724, 47.0767



34.7554, 24.7724, 19.9541

Sweetspot

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



16.1349, 24.7734, 13.6047



43.1803, 50.8209, 46.5646



23.2999, 28.5255, 11.2994



9.5711, 11.4332, 10.2244



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.



16.1349, 24.7734, 13.6047



25.4985, 42.2969, 19.0255



18.1203, 25.5676, 24.0595



6.1737, 6.9422, 6.8381



9.5828, 18.8966, 4.0235



0.1529, 0.2863, 0.1107

Inverse Universe

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



20.2638, 13.8478, 26.0319



33.6250, 20.7394, 43.4452



18.0018, 12.9430, 14.1203



6.4152, 6.3053, 7.5668



14.0063, 6.8567, 17.0899



0.2201, 0.1068, 0.3118

Previews

White Background



This preview shows how the XYZ color 16.1343, 24.7724, 13.6041 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 16.1343, 24.7724, 13.6041 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 16.1343, 24.7724, 13.6041

Background



This preview shows how black text looks on a background with the XYZ color 16.1343, 24.7724, 13.6041.



This preview shows how white text looks on a background with the XYZ color 16.1343, 24.7724,

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

16.1343, 24.7724, 13.6041

Protanopia

22.6171, 24.5443, 11.9330

Deuteranopia

24.9485, 24.4729, 14.2353



Tritanopia

20.3876, 24.6221, 35.1305

Trichromacy



Original Color

16.1343, 24.7724, 13.6041

Protanomaly

19.3788, 24.1555, 12.4452

Deuteranomaly

20.4243, 23.7926, 13.8719

Tritanomaly

18.5291, 24.5596, 25.5937

Monochromacy



Original Color

16.1343, 24.7724, 13.6041

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.3382, 21.2621, 18.2291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1343, 24.7724, 13.6041 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, 152, 90)` looks like.

```
.text, #text, p{  
    color:rgb(77, 152, 90)  
}
```

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, 152, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 152, 90) }
```

Border

The CSS property to change the border of an element to XYZ 16.1343, 24.7724, 13.6041 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, 152, 90) }
```


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

```
.border{ border-color:rgb(77, 152, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 152, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 152, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 152, 90);  
box-shadow:4px 4px 4px 4px rgb(77, 152,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1343, 24.7724, 13.6041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 152, 90) }
```

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

```
.background{ background-color: rgb(77, 152,  
90) }
```

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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