

Converting Colors

XYZ(15.0408, 24.1567, 17.6363)

Have a look what the booklet for
XYZ(15.0408, 24.1567, 17.6363)
contains.

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Color

**XYZ(15.0020, 24.1014,
17.4970)**

Conversions

Conversions Part 1

Format	Color
Hex	2F986A
RGB	47, 152, 106
RGB Percent	18%, 60%, 42%
CMY	0.8157, 0.4039, 0.5843
CMYK	0.69, 0.00, 0.30, 0.40
HSL	154°, 53%, 39%
HSV	154°, 69%, 60%
XYZ	15.0020, 24.1014, 17.4970
YIQ	115.3610, -47.8140, -36.5660

Conversions

Conversions Part 2

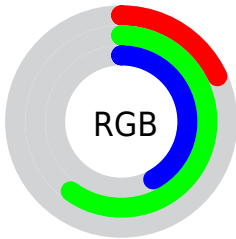
Format	Color
RYB	47, 114, 152
Decimal	3119210
CIELab	56.19, -40.95, 15.73
CIELCh	56, 43.864, 158.985
Yxy	24.1014, 0.2651, 0.4258
Android (android.graphics.Color)	4281309290 (0xFF2F986A)
YUV	115.3610, -4.6150, -59.9526
Hunter-Lab	49.0932, -31.3666, 13.2340

Details

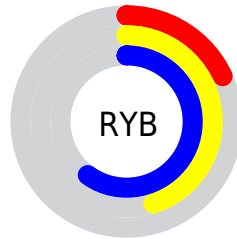
The XYZ color **15.0020, 24.1014, 17.4970** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.9419, 9.4992, 11.3499**, and the grayscale version is **16.4299, 17.2855, 18.8239**.

A 20% lighter version of the original color is **34.3425, 50.1241, 39.7632**, and **5.3209, 9.4198, 5.5408** is the 20% darker color. If you saturate the color by 10%, you get **14.0867, 23.6687, 15.7164**, and if you desaturate by 10%, it is **16.1895, 24.6727, 19.4318**.

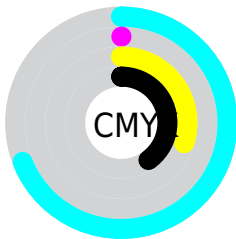
Distribution



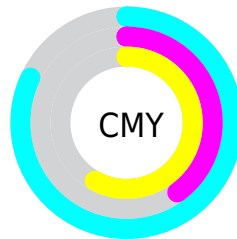
- Red (18%)
- Green (60%)
- Blue (42%)



- Red (18%)
- Yellow (45%)
- Blue (60%)



- Cyan (69%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)



- Cyan (82%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0020, 24.1014, 17.4970 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 15.0020, 24.1014, 17.4970 by changing the saturation by 10% instead.

■ 15.0020, 24.1014,
17.4970

■ 15.0020, 24.1014,
17.4970

216.7665,
273.3327, 250.1606

■ 8.9071, 15.4089,
10.4238

■ 34.4283, 50.1956,
39.9806

■ 4.7373, 9.1068,
5.5716

■ 48.4905, 68.3661,
56.2281

■ 2.1271, 4.8109,
2.5218

■ 65.9391, 90.4646,
76.3708

■ 0.7039, 2.1368,
0.8517

■ 87.1395, 116.8757,
100.8272

■ 0.0000, 0.6852,
0.0000

■ 112.4571,
147.9836, 130.0158

■ 0.0000, 0.0000,
0.0000

■ 142.2572,

184.1729, 164.3552

176.9052,
225.8278, 204.2639

■ 15.0020, 24.1014,
17.4970

■ 15.0020, 24.1014,
17.4970

■ 14.0867, 23.6687,
15.7164

■ 16.1895, 24.6727,
19.4318

■ 13.4145, 23.3576,
14.0839

■ 17.6708, 25.3915,
21.5234

■ 12.9269, 23.1387,
12.5940

■ 19.4673, 26.2696,
23.7762

■ 12.8847, 23.1198,
12.4634

■ 21.5978, 27.3166,
26.1939

■ 24.0795, 28.5413,
28.7803

■ 26.9286, 29.9520,
31.5387

■ 30.1600, 31.5563,
34.4725

■ 33.7880, 33.3614,
37.5851

■ 37.8259, 35.3743,
40.8795

Harmonies

Analogous

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



17.3374, 24.1014, 10.0441



15.0020, 24.1014, 17.4970



14.6092, 24.1014, 30.8184

Triad

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



15.0020, 24.1014, 17.4970



24.4542, 24.1014, 64.2940



31.2935, 24.1014, 12.3713

Complementary

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



15.0020, 24.1014, 17.4970



15.9419, 9.4992, 11.3499

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.



33.8709, 24.1014, 22.1433



15.0020, 24.1014, 17.4970



29.5590, 24.1014, 54.2568

Square

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



15.0020, 24.1014, 17.4970



19.6061, 24.1014, 61.5974



33.1935, 24.1014, 37.5027



26.5605, 24.1014, 7.9286

Rectangle

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



15.0020, 24.1014, 17.4970



15.4353, 24.1014, 42.1140



33.1935, 24.1014, 37.5027



32.4701, 24.1014, 14.9628

Sweetspot

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



15.0026, 24.1024, 17.4976



41.4235, 49.8439, 49.7075



16.3838, 25.0556, 6.6622



9.1587, 11.2023, 11.0336



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.



15.0026, 24.1024, 17.4976



24.1570, 41.4470, 26.1128



17.2354, 23.6621, 33.3658



6.2702, 6.9808, 7.3461



10.8189, 19.3910, 10.5328



0.1800, 0.2972, 0.2536

Inverse Universe

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



15.9419, 9.4992, 11.3499



25.9489, 13.9070, 14.6214



14.7018, 9.3594, 3.7212



6.3156, 6.2654, 7.0419



11.7117, 5.9389, 5.0069



0.1929, 0.0959, 0.1687

Previews

White Background



This preview shows how the XYZ color 15.0020, 24.1014, 17.4970 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 15.0020, 24.1014, 17.4970 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 15.0020, 24.1014, 17.4970

Background



This preview shows how black text looks on a background with the XYZ color 15.0020, 24.1014, 17.4970.



This preview shows how white text looks on a background with the XYZ color 15.0020, 24.1014,

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

15.0020, 24.1014, 17.4970

Protanopia

22.2313, 23.8613, 14.9893

Deuteranopia

24.2371, 23.8168, 18.3586



Tritanopia

18.5259, 23.8784, 35.5309

Trichromacy



Original Color

15.0020, 24.1014, 17.4970

Protanomaly

18.1805, 23.2405, 15.8396

Deuteranomaly

18.9084, 22.7085, 17.8546

Tritanomaly

17.0408, 23.9754, 27.7743

Monochromacy



Original Color

15.0020, 24.1014, 17.4970

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

14.8603, 18.7819, 18.1713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0020, 24.1014, 17.4970 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(47, 152, 106)` looks like.

```
.text, #text, p{  
    color:rgb(47, 152, 106)  
}
```

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(47, 152, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 152, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.0020, 24.1014, 17.4970 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(47, 152, 106) }
```


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

```
.border{ border-color:rgb(47, 152, 106) }
```

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

Here you see how a box with a 4 pixel rgb(47, 152, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 152, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 152, 106);  
box-shadow:4px 4px 4px 4px rgb(47, 152,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0020, 24.1014, 17.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 152, 106) }
```

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

```
.background{ background-color: rgb(47, 152,  
106) }
```

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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