

Converting Colors

XYZ(15.5986, 25.7978, 16.2530)

Have a look what the booklet for
XYZ(15.5986, 25.7978, 16.2530)
contains.

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Color

**XYZ(15.5295, 25.6384,
16.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9D64
RGB	47, 157, 100
RGB Percent	18%, 62%, 39%
CMY	0.8157, 0.3843, 0.6078
CMYK	0.70, 0.00, 0.36, 0.38
HSL	149°, 54%, 40%
HSV	149°, 70%, 62%
XYZ	15.5295, 25.6384, 16.1868
YIQ	117.6120, -47.2630, -41.0470

Conversions

Conversions Part 2

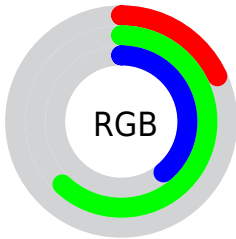
Format	Color
RYB	47, 121, 157
Decimal	3120484
CIELab	57.69, -44.29, 21.11
CIElCh	58, 49.066, 154.522
Yxy	25.6384, 0.2708, 0.4470
Android (android.graphics.Color)	4281310564 (0xFF2F9D64)
YUV	117.6120, -8.6827, -61.9267
Hunter-Lab	50.6344, -33.8644, 16.4902

Details

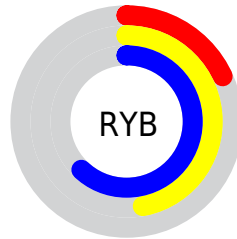
The XYZ color **15.5295, 25.6384, 16.1868** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.4206, 10.2011, 14.1484**, and the grayscale version is **17.1360, 18.0284, 19.6330**.

A 20% lighter version of the original color is **35.1928, 52.4471, 37.5466**, and **5.5929, 10.1577, 5.0340** is the 20% darker color. If you saturate the color by 10%, you get **14.5576, 25.1813, 14.1877**, and if you desaturate by 10%, it is **16.8025, 26.2475, 18.4064**.

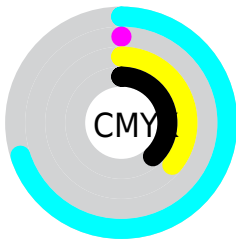
Distribution



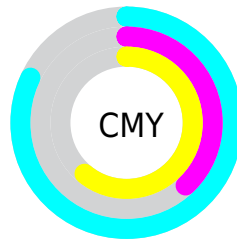
- Red (18%)
- Green (62%)
- Blue (39%)



- Red (18%)
- Yellow (47%)
- Blue (62%)



- Cyan (70%)
- Magenta (0%)
- Yellow (36%)
- Black (38%)



- Cyan (82%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5295, 25.6384, 16.1868 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 15.5295, 25.6384, 16.1868 by changing the saturation by 10% instead.

■ 15.5295, 25.6384,
16.1868

■ 15.5295, 25.6384,
16.1868

219.8745,
281.0025, 242.3247

■ 9.2806, 16.5533,
9.5006

■ 35.3435, 52.6910,
37.6935

■ 4.9832, 9.9165,
4.9679

■ 49.6393, 71.4273,
53.3511

■ 2.2721, 5.3437,
2.1700

■ 67.3481, 94.1496,
72.8363

■ 0.7803, 2.4503,
0.6570

■ 88.8353, 121.2420,
96.5676

■ 0.0000, 0.8516,
0.0000

■ 114.4661,
153.0892, 124.9635

■ 0.0000, 0.0000,
0.0000

■ 144.6061,

190.0753, 158.4427

179.6204,
232.5850, 197.4236

■ 15.5295, 25.6384,
16.1868

■ 15.5295, 25.6384,
16.1868

■ 14.5576, 25.1813,
14.1877

■ 16.8025, 26.2475,
18.4064

■ 13.8541, 24.8575,
12.4000

■ 18.4007, 27.0190,
20.8518

■ 13.3497, 24.6318,
10.8239

■ 20.3481, 27.9656,
23.5300

■ 22.6656, 29.0982,
26.4476

■ 25.3725, 30.4265,
29.6103

■ 28.4867, 31.9596,
33.0242

■ 32.0250, 33.7060,
36.6946

■ 36.0031, 35.6739,
40.6272

■ 40.4360, 37.8708,
44.8270

Harmonies

Analogous

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



18.5125, 25.6384, 8.8484



15.5295, 25.6384, 16.1868



14.7555, 25.6384, 30.5442

Triad

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



15.5295, 25.6384, 16.1868



25.2698, 25.6384, 74.1618



34.9071, 25.6384, 13.3058

Complementary

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



15.5295, 25.6384, 16.1868



17.4206, 10.2011, 14.1484

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.



37.4487, 25.6384, 25.4428



15.5295, 25.6384, 16.1868



31.3450, 25.6384, 63.9400

Square

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



15.5295, 25.6384, 16.1868



19.8264, 25.6384, 68.4739



36.0508, 25.6384, 44.2671



29.5562, 25.6384, 7.7151

Rectangle

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



15.5295, 25.6384, 16.1868



15.4706, 25.6384, 43.6056



36.0508, 25.6384, 44.2671



36.1543, 25.6384, 16.5292

Sweetspot

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



15.5302, 25.6394, 16.1874



44.7460, 54.1486, 52.2415



18.4752, 27.3641, 6.9976



9.5659, 11.7775, 11.1733



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.5302, 25.6394, 16.1874



25.3148, 44.7456, 23.5836



19.0074, 27.0303, 34.4984



6.6772, 7.4516, 7.7347



10.8605, 20.0121, 8.8885



0.2155, 0.3663, 0.2710

Inverse Universe

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



17.4206, 10.2011, 14.1484



28.9138, 15.2964, 19.6585



15.5120, 9.4377, 4.0979



6.7694, 6.7007, 7.6366



12.5290, 6.3162, 7.0369



0.2454, 0.1215, 0.2382

Previews

White Background



This preview shows how the XYZ color 15.5295, 25.6384, 16.1868 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 15.5295, 25.6384, 16.1868 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 15.5295, 25.6384, 16.1868

Background



This preview shows how black text looks on a background with the XYZ color 15.5295, 25.6384, 16.1868.



This preview shows how white text looks on a background with the XYZ color 15.5295, 25.6384,

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

15.5295, 25.6384, 16.1868

Protanopia

23.4147, 25.3392, 13.7821

Deuteranopia

25.7531, 25.2245, 17.1472



Tritanopia

19.8676, 25.4431, 38.0463

Trichromacy



Original Color

15.5295, 25.6384, 16.1868

Protanomaly

18.8730, 24.5218, 14.5649

Deuteranomaly

19.7693, 24.0423, 16.6954

Tritanomaly

17.8750, 25.3447, 28.3760

Monochromacy



Original Color

15.5295, 25.6384, 16.1868

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.5341, 19.9255, 18.0662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5295, 25.6384, 16.1868 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, 157, 100)` looks like.

```
.text, #text, p{  
    color:rgb(47, 157, 100)  
}
```

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, 157, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 157, 100) }
```

Border

The CSS property to change the border of an element to XYZ 15.5295, 25.6384, 16.1868 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, 157, 100) }
```


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

```
.border{ border-color:rgb(47, 157, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 157, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 157, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 157, 100);  
box-shadow:4px 4px 4px 4px rgb(47, 157,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5295, 25.6384, 16.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 157, 100) }
```

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

```
.background{ background-color: rgb(47, 157,  
100) }
```

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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