

Converting Colors

XYZ(9.4805, 23.2843, 19.9466)

Have a look what the booklet for
XYZ(9.4805, 23.2843, 19.9466)
contains.

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Color

**XYZ(15.6081, 26.3565,
20.1843)**

Conversions

Conversions Part 1

Format	Color
Hex	00A072
RGB	0, 160, 114
RGB Percent	0%, 63%, 45%
CMY	0.9999, 0.3725, 0.5529
CMYK	1.00, 0.00, 0.29, 0.37
HSL	163°, 100%, 31%
HSV	163°, 100%, 63%
XYZ	15.6081, 26.3565, 20.1843
YIQ	106.9160, -80.5940, -48.2260

Conversions

Conversions Part 2

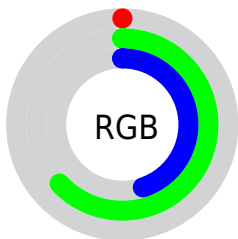
Format	Color
RYB	0, 93, 160
Decimal	41074
CIELab	58.37, -46.77, 14.19
CIELCh	58, 48.879, 163.119
Yxy	26.3565, 0.2511, 0.4241
Android (android.graphics.Color)	4278231154 (0xFF00A072)
YUV	106.9160, 3.4924, -93.7653
Hunter-Lab	51.3386, -35.5744, 12.6265

Details

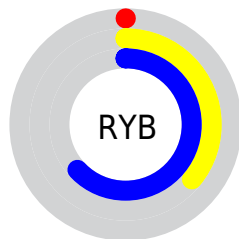
The XYZ color **15.6081, 26.3565, 20.1843** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.9914, 7.6716, 3.2772**, and the grayscale version is **13.9602, 14.6872, 15.9943**.

A 20% lighter version of the original color is **35.5586, 53.9888, 44.6231**, and **6.2411, 10.9087, 6.9309** is the 20% darker color. If you saturate the color by 10%, you get **15.6083, 26.3573, 20.1835**, and if you desaturate by 10%, it is **16.0911, 26.5752, 21.6092**.

Distribution



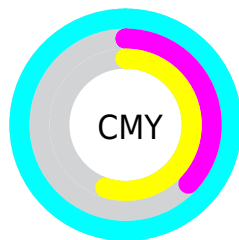
- Red (0%)
- Green (63%)
- Blue (45%)



- Red (0%)
- Yellow (36%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6081, 26.3565, 20.1843 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 15.6081, 26.3565, 20.1843 by changing the saturation by 10% instead.

■ 15.6081, 26.3565,
20.1843

■ 15.6081, 26.3565,
20.1843

220.3341,
284.5277, 265.5483

■ 9.3363, 17.0905,
12.3437

■ 35.4795, 53.8495,
44.5890

■ 5.0201, 10.2991,
6.8528

■ 49.8098, 72.8453,
61.9901

■ 2.2939, 5.5977,
3.2932

■ 67.5570, 95.8533,
83.4152

■ 0.7916, 2.6020,
1.2462

■ 89.0865, 123.2576,
109.2827

■ 0.0000, 0.9277,
0.0171

■ 114.7636,
155.4429, 140.0113

■ 0.0000, 0.0000,
0.0000

■ 144.9537,

192.7934, 176.0193

180.0220,
235.6935, 217.7255

■ 15.6081, 26.3565,
20.1843

■ 15.6081, 26.3565,
20.1843

■ 15.6083, 26.3573,
20.1835

■ 16.0911, 26.5752,
21.6092

■ 16.7553, 26.8850,
23.1117

■ 17.6743, 27.3246,
24.6969

■ 18.8793, 27.9101,
26.3671

■ 20.3967, 28.6550,
28.1245

■ 22.2499, 29.5714,
29.9711

■ 24.4600, 30.6702,
31.9088

■ 27.0463, 31.9612,
33.9393

■ 30.0268, 33.4537,
36.0644

Harmonies

Analogous

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



18.0067, 26.3565, 10.7904



15.6081, 26.3565, 20.1843



15.4665, 26.3565, 36.8096

Triad

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



15.6081, 26.3565, 20.1843



27.7430, 26.3565, 73.9908



34.3805, 26.3565, 11.6034

Complementary

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



15.6081, 26.3565, 20.1843



14.9914, 7.6716, 3.2772

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.



37.9498, 26.3565, 21.8748



15.6081, 26.3565, 20.1843



33.7279, 26.3565, 59.9347

Square

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



15.6081, 26.3565, 20.1843



21.8689, 26.3565, 72.9475



37.6936, 26.3565, 39.3207



28.5279, 26.3565, 7.3565

Rectangle

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



15.6081, 26.3565, 20.1843



16.6274, 26.3565, 50.6221



37.6936, 26.3565, 39.3207



35.9258, 26.3565, 14.2423

Sweetspot

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



15.6088, 26.3575, 20.1849



44.1559, 55.5593, 57.7234



13.7908, 25.7712, 4.2480



9.3228, 12.0052, 12.3516



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.6088, 26.3575, 20.1849



28.2480, 47.8192, 36.1655



14.0655, 17.9780, 35.9876



6.7405, 7.4769, 8.0679



12.1779, 20.5391, 15.8256



0.2349, 0.3741, 0.3734

Inverse Universe

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



14.9914, 7.6716, 3.2772



27.1417, 13.8974, 5.5439



15.0147, 8.5076, 0.8513



6.7076, 6.6760, 7.3113



11.6944, 5.9823, 2.6416



0.2260, 0.1137, 0.1364

Previews

White Background



This preview shows how the XYZ color 15.6081, 26.3565, 20.1843 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 15.6081, 26.3565, 20.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

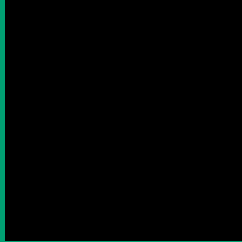
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6081, 26.3565, 20.1843

Background



This preview shows how black text looks on a background with the XYZ color 15.6081, 26.3565, 20.1843.



This preview shows how white text looks on a background with the XYZ color 15.6081, 26.3565,

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

15.6081, 26.3565, 20.1843

Protanopia

24.1768, 25.8747, 17.0847

Deuteranopia

26.4125, 25.8798, 21.3725



Tritanopia

19.7424, 26.2925, 40.1108

Trichromacy



Original Color

15.6081, 26.3565, 20.1843



Protanomaly

17.8598, 24.3830, 17.9524



Deuteranomaly

18.5720, 23.7777, 20.7503



Tritanomaly

17.8146, 26.2236, 31.7265

Monochromacy



Original Color

15.6081, 26.3565, 20.1843



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.6592, 17.2764, 17.4193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6081, 26.3565, 20.1843 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(0, 160, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 114)  
}
```

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(0, 160, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 114) }
```

Border

The CSS property to change the border of an element to XYZ 15.6081, 26.3565, 20.1843 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(0, 160, 114) }
```


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

```
.border{ border-color:rgb(0, 160, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6081, 26.3565, 20.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 114) }
```

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

```
.background{ background-color: rgb(0, 160,  
114) }
```

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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