

Converting Colors

XYZ(12.0631, 20.4932, 15.2211)

Have a look what the booklet for
XYZ(12.0631, 20.4932, 15.2211)
contains.

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Color

**XYZ(12.0746, 20.5458,
15.1337)**

Conversions

Conversions Part 1

Format	Color
Hex	008F63
RGB	0, 143, 99
RGB Percent	0%, 56%, 39%
CMY	1.0000, 0.4392, 0.6118
CMYK	1.00, 0.00, 0.31, 0.44
HSL	162°, 100%, 28%
HSV	162°, 100%, 56%
XYZ	12.0746, 20.5458, 15.1337
YIQ	95.2270, -71.1040, -44.0000

Conversions

Conversions Part 2

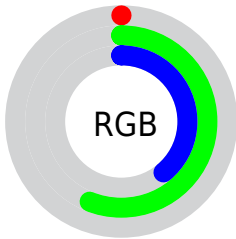
Format	Color
RYB	0, 85, 143
Decimal	36707
CIELab	52.45, -43.69, 14.42
CIELCh	52, 46.003, 161.738
Yxy	20.5458, 0.2528, 0.4302
Android (android.graphics.Color)	4278226787 (0xFF008F63)
YUV	95.2270, 1.8601, -83.5141
Hunter-Lab	45.3275, -31.7732, 11.9338

Details

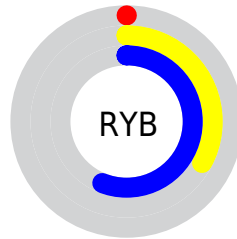
The XYZ color **12.0746, 20.5458, 15.1337** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.7830, 6.0220, 2.9252**, and the grayscale version is **10.9405, 11.5103, 12.5347**.

A 20% lighter version of the original color is **29.3553, 44.4750, 35.8915**, and **4.3609, 7.7301, 4.5110** is the 20% darker color. If you saturate the color by 10%, you get **12.0749, 20.5465, 15.1335**, and if you desaturate by 10%, it is **12.4772, 20.7289, 16.2814**.

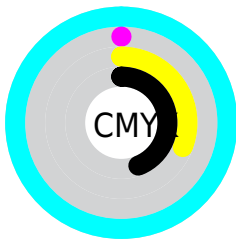
Distribution



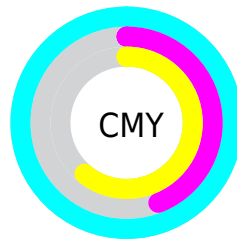
- Red (0%)
- Green (56%)
- Blue (39%)



- Red (0%)
- Yellow (33%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0746, 20.5458, 15.1337 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 12.0746, 20.5458, 15.1337 by changing the saturation by 10% instead.

■ 12.0746, 20.5458,
15.1337

■ 12.0746, 20.5458,
15.1337

198.6584,
254.8547, 235.8426

■ 6.8671, 12.7924,
8.7656

■ 29.2466, 44.3304,
35.8332

■ 3.4247, 7.2858,
4.4939

■ 41.9417, 61.1304,
51.0016

■ 1.3821, 3.6414,
1.9000

■ 57.8635, 81.7147,
69.9406

■ 0.2434, 1.4751,
0.4927

■ 77.3772, 106.4677,
93.0687

■ 0.0000, 0.2711,
0.0000

■ 100.8481,
135.7738, 120.8044

■ 0.0000, 0.0000,
0.0000

■ 128.6418,

170.0174, 153.5663

161.1234,
209.5829, 191.7728

■ 12.0746, 20.5458,
15.1337

■ 12.0746, 20.5458,
15.1337

■ 12.0749, 20.5465,
15.1335

■ 12.4772, 20.7289,
16.2814

■ 13.0148, 20.9797,
17.4957

■ 13.7513, 21.3317,
18.7811

■ 14.7098, 21.7968,
20.1394

■ 15.9104, 22.3852,
21.5724

■ 17.3707, 23.1061,
23.0819

■ 19.1068, 23.9678,
24.6694

■ 21.1333, 24.9777,
26.3365

■ 23.4637, 26.1428,
28.0844

Harmonies

Analogous

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



14.0563, 20.5458, 7.9773



12.0746, 20.5458, 15.1337



11.8804, 20.5458, 28.1264

Triad

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



12.0746, 20.5458, 15.1337



21.4461, 20.5458, 59.0042



27.1682, 20.5458, 9.0834

Complementary

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



12.0746, 20.5458, 15.1337



11.7830, 6.0220, 2.9252

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.



29.9067, 20.5458, 17.4595



12.0746, 20.5458, 15.1337



26.2625, 20.5458, 48.1208

Square

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



12.0746, 20.5458, 15.1337



16.8033, 20.5458, 57.5456



29.5506, 20.5458, 31.6108



22.5327, 20.5458, 5.5891

Rectangle

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



12.0746, 20.5458, 15.1337



12.7441, 20.5458, 39.1475



29.5506, 20.5458, 31.6108



28.3726, 20.5458, 11.2381

Sweetspot

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



12.0751, 20.5466, 15.1342



34.0015, 42.8143, 43.9911



10.9179, 20.2102, 3.3258



7.5169, 9.6790, 9.8386



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.0751, 20.5466, 15.1342



21.5443, 36.7625, 26.6836



11.2947, 14.6563, 28.2213



5.4906, 6.0884, 6.5491



10.6857, 18.1702, 13.4310



0.1120, 0.1777, 0.1805

Inverse Universe

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



11.7830, 6.0220, 2.9252



21.0317, 10.7561, 4.8754



11.7026, 6.5887, 0.6552



5.4730, 5.4497, 5.9886



10.4264, 5.3276, 2.6308



0.1087, 0.0545, 0.0724

Previews

White Background



This preview shows how the XYZ color 12.0746, 20.5458, 15.1337 looks on a white background.

Color Contrast Check

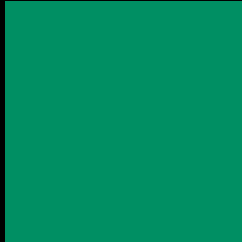
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0746, 20.5458, 15.1337 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

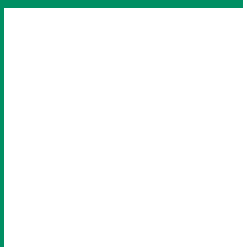
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0746, 20.5458, 15.1337

Background



This preview shows how black text looks on a background with the XYZ color 12.0746, 20.5458, 15.1337.



This preview shows how white text looks on a background with the XYZ color 12.0746, 20.5458,

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

12.0746, 20.5458, 15.1337

Protanopia

18.9275, 20.2390, 12.8065

Deuteranopia

20.7168, 20.3617, 15.9350



Tritanopia

15.5099, 20.6578, 31.1869

Trichromacy



Original Color

12.0746, 20.5458, 15.1337



Protanomaly

13.8830, 18.9720, 13.5199



Deuteranomaly

14.5311, 18.6730, 15.4087



Tritanomaly

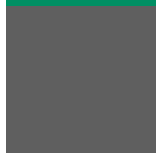
13.8270, 20.3682, 24.3218

Monochromacy



Original Color

12.0746, 20.5458, 15.1337



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.7690, 13.3935, 13.1367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0746, 20.5458, 15.1337 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, 143, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 99)  
}
```

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, 143, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.0746, 20.5458, 15.1337 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, 143, 99) }
```


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

```
.border{ border-color:rgb(0, 143, 99) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0746, 20.5458, 15.1337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 99) }
```

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

```
.background{ background-color: rgb(0, 143,  
99) }
```

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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