

Converting Colors

XYZ(4.6529, 12.8826, 17.2761)

Have a look what the booklet for
XYZ(4.6529, 12.8826, 17.2761)
contains.

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Color

**XYZ(10.2029, 15.8149,
17.5538)**

Conversions

Conversions Part 1

Format	Color
Hex	007D6F
RGB	0, 125, 111
RGB Percent	0%, 49%, 44%
CMY	0.9999, 0.5098, 0.5647
CMYK	1.00, 0.00, 0.11, 0.51
HSL	173°, 100%, 25%
HSV	173°, 100%, 49%
XYZ	10.2029, 15.8149, 17.5538
YIQ	86.0290, -70.0060, -30.8540

Conversions

Conversions Part 2

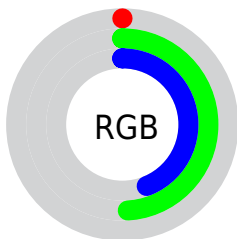
Format	Color
RYB	0, 66, 125
Decimal	32111
CIELab	46.73, -32.76, -0.69
CIELCh	47, 32.770, 181.215
Yxy	15.8149, 0.2342, 0.3630
Android (android.graphics.Color)	4278222191 (0xFF007D6F)
YUV	86.0290, 12.3107, -75.4474
Hunter-Lab	39.7680, -23.7978, 1.6666

Details

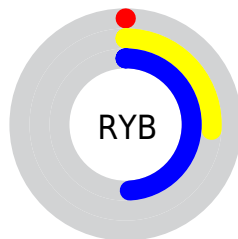
The XYZ color **10.2029, 15.8149, 17.5538** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.5373, 4.3922, 0.8139**, and the grayscale version is **8.8381, 9.2984, 10.1259**.

A 20% lighter version of the original color is **25.8395, 36.1906, 40.2739**, and **3.4133, 5.3910, 5.5633** is the 20% darker color. If you saturate the color by 10%, you get **10.2030, 15.8153, 17.5536**, and if you desaturate by 10%, it is **10.4398, 15.9284, 17.9709**.

Distribution



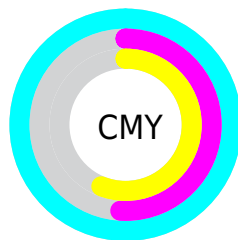
- Red (0%)
- Green (49%)
- Blue (44%)



- Red (0%)
- Yellow (26%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2029, 15.8149, 17.5538 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 10.2029, 15.8149, 17.5538 by changing the saturation by 10% instead.

■ 10.2029, 15.8149,
17.5538

■ 10.2029, 15.8149,
17.5538

186.1376,
228.2470, 250.4950

■ 5.5970, 9.3933,
10.4640

■ 25.8227, 36.2766,
40.0791

■ 2.6399, 4.9986,
5.5981

■ 37.5672, 51.0854,
56.3518

■ 0.9663, 2.2464,
2.5375

■ 52.4221, 69.4587,
76.5224

■ 0.0000, 0.7451,
0.8599

■ 70.7525, 91.7810,
101.0096

■ 0.0000, 0.0000,
0.0000

■ 92.9240, 118.4365,
130.2320

■ 119.3017,

149.8098, 164.6079

150.2512,
186.2851, 204.5561

■ 10.2029, 15.8149,
17.5538

■ 10.2029, 15.8149,
17.5538

■ 10.2030, 15.8153,
17.5536

■ 10.4398, 15.9284,
17.9709

■ 10.7612, 16.0850,
18.3980

■ 11.2216, 16.3131,
18.8379

■ 11.8377, 16.6213,
19.2915

■ 12.6233, 17.0167,
19.7595

■ 13.5909, 17.5059,
20.2425

■ 14.7520, 18.0946,
20.7409

■ 16.1169, 18.7882,
21.2555

■ 17.6952, 19.5918,
21.7865

Harmonies

Analogous

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



10.7324, 15.8149, 10.7290



10.2029, 15.8149, 17.5538



10.8253, 15.8149, 26.6718

Triad

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



10.2029, 15.8149, 17.5538



18.0456, 15.8149, 34.3740



17.8198, 15.8149, 6.8221

Complementary

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



10.2029, 15.8149, 17.5538



8.5373, 4.3922, 0.8139

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.



20.2068, 15.8149, 10.3151



10.2029, 15.8149, 17.5538



20.3483, 15.8149, 25.9096

Square

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



10.2029, 15.8149, 17.5538



15.1478, 15.8149, 38.0871



21.1844, 15.8149, 16.8899



14.9160, 15.8149, 5.8328

Rectangle

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



10.2029, 15.8149, 17.5538



11.8615, 15.8149, 32.5290



21.1844, 15.8149, 16.8899



18.7215, 15.8149, 7.6736

Sweetspot

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



10.2034, 15.8155, 17.5542



26.2505, 32.3178, 37.0739



7.5245, 14.7659, 2.4540



5.8012, 7.2650, 8.3625



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.2034, 15.8155, 17.5542



18.2373, 28.3073, 31.2578



6.3623, 6.8013, 20.3801



4.4263, 4.8789, 5.4163



10.6470, 16.5054, 18.3118



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.5373, 4.3922, 0.8139



15.2567, 7.8523, 1.2959



9.5118, 6.4682, 0.7477



4.3459, 4.3515, 4.6258



8.9083, 4.5830, 0.8407



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2029, 15.8149, 17.5538 looks on a white 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

Black Background



This preview shows how the XYZ color 10.2029, 15.8149, 17.5538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

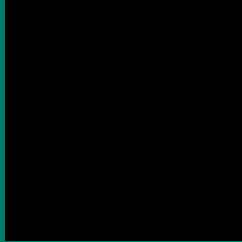
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2029, 15.8149, 17.5538

Background



This preview shows how black text looks on a background with the XYZ color 10.2029, 15.8149, 17.5538.



This preview shows how white text looks on a background with the XYZ color 10.2029, 15.8149,

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

10.2029, 15.8149, 17.5538

Protanopia

14.9635, 15.7085, 15.0754

Deuteranopia

15.9600, 15.6751, 18.4041



Tritanopia

11.7516, 15.9083, 24.2810

Trichromacy



Original Color

10.2029, 15.8149, 17.5538

Protanomaly

11.4799, 14.7185, 15.8716

Deuteranomaly

12.0351, 14.7860, 18.1393

Tritanomaly

11.0303, 15.7806, 21.5334

Monochromacy



Original Color

10.2029, 15.8149, 17.5538

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.1983, 10.7528, 12.4699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2029, 15.8149, 17.5538 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, 125, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 111)  
}
```

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, 125, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 111) }
```

Border

The CSS property to change the border of an element to XYZ 10.2029, 15.8149, 17.5538 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, 125, 111) }
```


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

```
.border{ border-color:rgb(0, 125, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2029, 15.8149, 17.5538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 111) }
```

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

```
.background{ background-color: rgb(0, 125,  
111) }
```

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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