

Converting Colors

XYZ(7.0525, 14.9390, 22.1607)

Have a look what the booklet for
XYZ(7.0525, 14.9390, 22.1607)
contains.

XYZ(11.6162, 17.2069, 22.4477)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.6162, 17.2069,
22.4477)**

Conversions

Conversions Part 1

Format	Color
Hex	00817E
RGB	0, 129, 126
RGB Percent	0%, 51%, 49%
CMY	0.9999, 0.4941, 0.5059
CMYK	1.00, 0.00, 0.02, 0.49
HSL	179°, 100%, 25%
HSV	179°, 100%, 51%
XYZ	11.6162, 17.2069, 22.4477
YIQ	90.0870, -75.9210, -28.2810

Conversions

Conversions Part 2

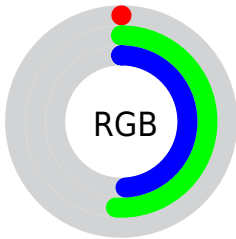
Format	Color
RYB	0, 65, 129
Decimal	33150
CIELab	48.52, -29.97, -6.91
CIELCh	49, 30.759, 192.981
Yxy	17.2069, 0.2266, 0.3356
Android (android.graphics.Color)	4278223230 (0xFF00817E)
YUV	90.0870, 17.7051, -79.0063
Hunter-Lab	41.4812, -22.6058, -3.0482

Details

The XYZ color **11.6162, 17.2069, 22.4477** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0703, 4.6743, 0.5109**, and the grayscale version is **9.7129, 10.2188, 11.1282**.

A 20% lighter version of the original color is **28.3443, 38.5044, 48.5860**, and **4.1355, 6.1278, 7.9860** is the 20% darker color. If you saturate the color by 10%, you get **11.6164, 17.2074, 22.4479**, and if you desaturate by 10%, it is **11.8007, 17.3001, 22.5580**.

Distribution



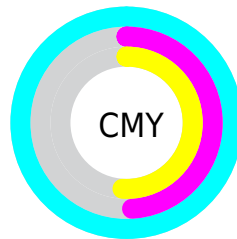
- Red (0%)
- Green (51%)
- Blue (49%)



- Red (0%)
- Yellow (25%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6162, 17.2069, 22.4477 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 11.6162, 17.2069, 22.4477 by changing the saturation by 10% instead.

■ 11.6162, 17.2069,
22.4477

■ 11.6162, 17.2069,
22.4477

■ 195.6699,
236.3619, 277.9048

■ 6.5532, 10.3821,
13.9848

■ 28.4171, 38.6812,
48.3965

■ 3.2281, 5.6530,
7.9714

■ 40.8857, 54.0994,
66.7194

■ 1.2755, 2.6353,
3.9892

■ 56.5537, 73.1510,
89.1661

■ 0.1648, 0.9444,
1.6194

■ 75.7862, 96.2202,
116.1551

■ 0.0000, 0.0000,
0.3046

■ 98.9488, 123.6915,
148.1049

■ 0.0000, 0.0000,
0.0000

■ 126.4067,

155.9493, 185.4341

158.5252,
193.3780, 228.5613

■ 11.6162, 17.2069,
22.4477

■ 11.6162, 17.2069,
22.4477

■ 11.6164, 17.2074,
22.4479

■ 11.8007, 17.3001,
22.5580

■ 12.0768, 17.4402,
22.6725

■ 12.5010, 17.6567,
22.7942

■ 13.0911, 17.9586,
22.9240

■ 13.8624, 18.3540,
23.0626

■ 14.8284, 18.8497,
23.2106

■ 16.0012, 19.4520,
23.3685

■ 17.3922, 20.1668,
23.5370

■ 19.0118, 20.9994,
23.7165

Harmonies

Analogous

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



11.6952, 17.2069, 14.5448



11.6162, 17.2069, 22.4477



12.6973, 17.2069, 31.4535

Triad

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



11.6162, 17.2069, 22.4477



20.3402, 17.2069, 32.5600



17.9949, 17.2069, 7.4576

Complementary

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



11.6162, 17.2069, 22.4477



9.0703, 4.6743, 0.5109

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.



20.6545, 17.2069, 10.0119



11.6162, 17.2069, 22.4477



22.1117, 17.2069, 23.6622

Square

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



11.6162, 17.2069, 22.4477



17.6041, 17.2069, 38.3263



22.2329, 17.2069, 15.4567



15.1657, 17.2069, 7.3052

Rectangle

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



11.6162, 17.2069, 22.4477



14.0112, 17.2069, 36.2708



22.2329, 17.2069, 15.4567



18.9458, 17.2069, 8.0207

Sweetspot

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



11.6167, 17.2075, 22.4481



28.4902, 34.7491, 41.8256



7.9047, 15.7289, 2.6199



6.2742, 7.7757, 9.4442



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.6167, 17.2075, 22.4481



20.7937, 30.8104, 40.1552



6.0793, 5.8181, 21.5722



4.4422, 4.8852, 5.5001



11.3260, 16.7770, 21.8875



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.0703, 4.6743, 0.5109



16.2339, 8.3664, 0.8717



10.6806, 7.9212, 0.9666



4.3315, 4.3458, 4.5502



8.8433, 4.5570, 0.4987



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.6162, 17.2069, 22.4477 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 11.6162, 17.2069, 22.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

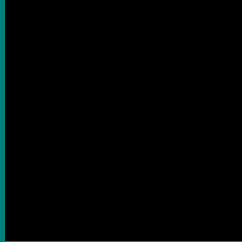
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6162, 17.2069, 22.4477

Background



This preview shows how black text looks on a background with the XYZ color 11.6162, 17.2069, 22.4477.



This preview shows how white text looks on a background with the XYZ color 11.6162, 17.2069,

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

11.6162, 17.2069, 22.4477

Protanopia

16.4307, 17.0320, 19.2511

Deuteranopia

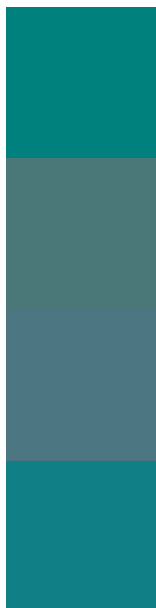
17.4312, 17.1220, 23.5052



Tritanopia

12.6028, 17.2333, 26.7069

Trichromacy



Original Color

11.6162, 17.2069, 22.4477

Protanomaly

12.8110, 16.0056, 20.1835

Deuteranomaly

13.4214, 16.0783, 23.1649

Tritanomaly

12.2534, 17.2787, 25.2436

Monochromacy



Original Color

11.6162, 17.2069, 22.4477

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.0858, 11.7498, 14.6210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6162, 17.2069, 22.4477 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, 129, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 126)  
}
```

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, 129, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 126) }
```

Border

The CSS property to change the border of an element to XYZ 11.6162, 17.2069, 22.4477 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, 129, 126) }
```


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

```
.border{ border-color:rgb(0, 129, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6162, 17.2069, 22.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 126) }
```

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

```
.background{ background-color: rgb(0, 129,  
126) }
```

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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