

Converting Colors

XYZ(11.9272, 16.0049, 22.5396)

Have a look what the booklet for
XYZ(11.9272, 16.0049, 22.5396)
contains.

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Color

**XYZ(11.9626, 16.0557,
22.5472)**

Conversions

Conversions Part 1

Format	Color
Hex	2F7A7F
RGB	47, 122, 127
RGB Percent	18%, 48%, 50%
CMY	0.8157, 0.5216, 0.5020
CMYK	0.63, 0.04, 0.00, 0.50
HSL	184°, 46%, 34%
HSV	184°, 63%, 50%
XYZ	11.9626, 16.0557, 22.5472
YIQ	100.1450, -46.3050, -14.3450

Conversions

Conversions Part 2

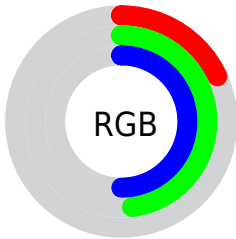
Format	Color
RYB	47, 86, 127
Decimal	3111551
CIELab	47.05, -21.18, -9.62
CIELCh	47, 23.267, 204.427
Yxy	16.0557, 0.2366, 0.3175
Android (android.graphics.Color)	4281301631 (0xFF2F7A7F)
YUV	100.1450, 13.2395, -46.6082
Hunter-Lab	40.0696, -16.8313, -5.3139

Details

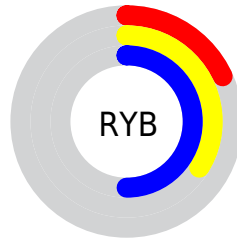
The XYZ color **11.9626, 16.0557, 22.5472** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.4939, 7.1737, 3.5214**, and the grayscale version is **12.1264, 12.7579, 13.8933**.

A 20% lighter version of the original color is **29.1617, 36.8388, 48.7536**, and **3.7577, 5.3151, 8.0356** is the 20% darker color. If you saturate the color by 10%, you get **11.3633, 15.6030, 22.4917**, and if you desaturate by 10%, it is **12.7341, 16.5990, 22.6117**.

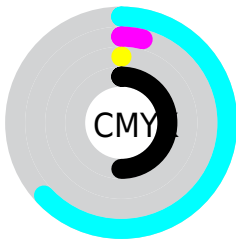
Distribution



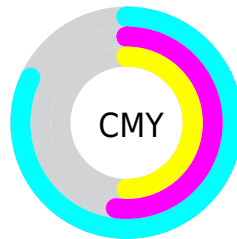
- Red (18%)
- Green (48%)
- Blue (50%)



- Red (18%)
- Yellow (34%)
- Blue (50%)



- Cyan (63%)
- Magenta (4%)
- Yellow (0%)
- Black (50%)



- Cyan (82%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9626, 16.0557, 22.5472 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 11.9626, 16.0557, 22.5472 by changing the saturation by 10% instead.

■ 11.9626, 16.0557,
22.5472

■ 11.9626, 16.0557,
22.5472

■ 197.9325,
229.6702, 278.4369

■ 6.7902, 9.5636,
14.0574

■ 29.0444, 36.6949,
48.5625

■ 3.3764, 5.1106,
8.0214

■ 41.6846, 51.6107,
66.9250

■ 1.3558, 2.3123,
4.0207

■ 57.5447, 70.1033,
89.4155

■ 0.2244, 0.7802,
1.6367

■ 76.9902, 92.5569,
116.4526

■ 0.0000, 0.0000,
0.3168

■ 100.3864,
119.3560, 148.4547

■ 0.0000, 0.0000,
0.0000

■ 128.0986,

150.8850, 185.8404

160.4922,
187.5282, 229.0283

■ 11.9626, 16.0557,
22.5472

■ 11.9626, 16.0557,
22.5472

■ 11.3633, 15.6030,
22.4917

■ 12.7341, 16.5990,
22.6117

■ 10.9195, 15.2313,
22.4434

■ 13.6899, 17.2382,
22.6847

■ 10.6133, 14.9317,
22.4017

■ 14.8424, 17.9800,
22.7671

■ 10.4353, 14.7414,
22.3743

■ 16.2028, 18.8301,
22.8595

■ 17.7813, 19.7938,
22.9623

■ 19.5875, 20.8762,
23.0761

■ 21.6303, 22.0817,
23.2011

■ 23.9184, 23.4149,
23.3378

■ 26.4597, 24.8798,
23.4866

Harmonies

Analogous

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



11.6823, 16.0557, 16.4143



11.9626, 16.0557, 22.5472



13.0919, 16.0557, 28.2946

Triad

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



11.9626, 16.0557, 22.5472



18.6758, 16.0557, 24.8593



15.6443, 16.0557, 8.5204

Complementary

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



11.9626, 16.0557, 22.5472



10.4939, 7.1737, 3.5214

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.



17.6562, 16.0557, 9.8486



11.9626, 16.0557, 22.5472



19.5035, 16.0557, 18.5949

Square

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



11.9626, 16.0557, 22.5472



16.9395, 16.0557, 29.8241



19.1147, 16.0557, 13.2385



13.6962, 16.0557, 9.1235

Rectangle

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



11.9626, 16.0557, 22.5472



14.2322, 16.0557, 30.6784



19.1147, 16.0557, 13.2385



16.3371, 16.0557, 8.7447

Sweetspot

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



11.9631, 16.0563, 22.5476



29.9691, 34.3065, 40.9985



9.3596, 16.0224, 5.7318



6.8613, 7.9367, 9.5887



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.



11.9631, 16.0563, 22.5476



19.9327, 27.6029, 40.2336



8.0968, 8.3238, 21.2588



4.4242, 4.8423, 5.5148



10.5238, 14.8662, 22.5647



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2822, 7.9507, 19.2476



22.5860, 12.0472, 33.4278



13.0070, 12.2000, 4.3591



4.4869, 4.4079, 5.3686



12.1889, 5.8953, 18.1164



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.9626, 16.0557, 22.5472 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 11.9626, 16.0557, 22.5472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

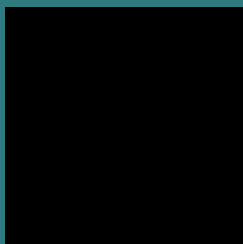
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

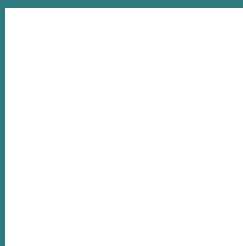
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9626, 16.0557, 22.5472

Background



This preview shows how black text looks on a background with the XYZ color 11.9626, 16.0557, 22.5472.



This preview shows how white text looks on a background with the XYZ color 11.9626, 16.0557,

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

11.9626, 16.0557, 22.5472

Protanopia

15.3965, 15.8229, 20.0119

Deuteranopia

16.2019, 15.8475, 23.3240



Tritanopia

12.2007, 15.9664, 23.9115

Trichromacy



Original Color

11.9626, 16.0557, 22.5472

Protanomaly

13.5229, 15.4909, 21.0162

Deuteranomaly

13.9874, 15.5191, 23.0271

Tritanomaly

12.0856, 15.9148, 23.5540

Monochromacy



Original Color

11.9626, 16.0557, 22.5472

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.5704, 13.6002, 16.7671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9626, 16.0557, 22.5472 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, 122, 127)` looks like.

```
.text, #text, p{  
    color:rgb(47, 122, 127)  
}
```

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, 122, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 122, 127) }
```

Border

The CSS property to change the border of an element to XYZ 11.9626, 16.0557, 22.5472 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, 122, 127) }
```


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

```
.border{ border-color:rgb(47, 122, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 122, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 122, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 122, 127);  
box-shadow:4px 4px 4px 4px rgb(47, 122,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9626, 16.0557, 22.5472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 122, 127) }
```

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

```
.background{ background-color: rgb(47, 122,  
127) }
```

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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