

Converting Colors

XYZ(11.1549, 15.1614, 20.4387)

Have a look what the booklet for
XYZ(11.1549, 15.1614, 20.4387)
contains.

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Color

**XYZ(11.1302, 15.1320,
20.4233)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7779
RGB	45, 119, 121
RGB Percent	18%, 47%, 47%
CMY	0.8235, 0.5333, 0.5255
CMYK	0.63, 0.02, 0.00, 0.53
HSL	182°, 46%, 33%
HSV	182°, 63%, 47%
XYZ	11.1302, 15.1320, 20.4233
YIQ	97.1020, -44.7460, -15.0660

Conversions

Conversions Part 2

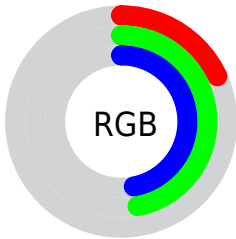
Format	Color
R_{YB}	45, 82, 121
Decimal	2979705
CIE _{Lab}	45.81, -21.82, -7.91
CIE _{LCh}	46, 23.211, 199.923
Yxy	15.1320, 0.2384, 0.3241
Android (android.graphics.Color)	4281169785 (0xFF2D7779)
YUV	97.1020, 11.7817, -45.6935
Hunter-Lab	38.8999, -17.0016, -3.8987




Details

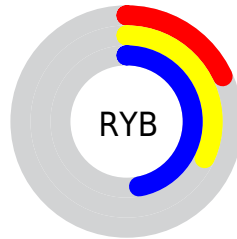
The XYZ color **11.1302, 15.1320, 20.4233** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.3756, 6.2878, 3.2025**, and the grayscale version is **11.3676, 11.9596, 13.0240**.




A 20% lighter version of the original color is **27.5509, 35.2315, 44.8834**, and **3.3928, 4.8614, 7.0628** is the 20% darker color. If you saturate the color by 10%, you get **10.6346, 14.8207, 20.3896**, and if you desaturate by 10%, it is **11.7795, 15.5234, 20.4649**.

Distribution







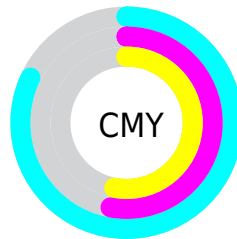
-  Red (18%)
-  Green (47%)
-  Blue (47%)






-  Red (18%)
-  Yellow (32%)
-  Blue (47%)



-  Cyan (63%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (82%)
-  Magenta (53%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1302, 15.1320, 20.4233 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 11.1302, 15.1320, 20.4233 by changing the saturation by 10% instead.

■ 11.1302, 15.1320,
20.4233

■ 11.1302, 15.1320,
20.4233

■ 192.4485,
224.1638, 266.8772

■ 6.2224, 8.9121,
12.5160

■ 27.5315, 35.0846,
44.9940

■ 3.0227, 4.6839,
6.9693

■ 39.7557, 49.5860,
62.4945

■ 1.1658, 2.0630,
3.3648

■ 55.1495, 67.6168,
84.0298

■ 0.0791, 0.6437,
1.2838

■ 74.0781, 89.5612,
110.0184

■ 0.0000, 0.0000,
0.0484

■ 96.9070, 115.8037,
140.8789

■ 0.0000, 0.0000,
0.0000

■ 124.0014,

146.7288, 177.0299

155.7268,
182.7206, 218.8898

■ 11.1302, 15.1320,
20.4233

■ 11.1302, 15.1320,
20.4233

■ 10.6346, 14.8207,
20.3896

■ 11.7795, 15.5234,
20.4649

■ 10.2779, 14.5809,
20.3621

■ 12.5931, 15.9993,
20.5139

■ 10.0442, 14.4046,
20.3404

■ 13.5820, 16.5658,
20.5711

■ 9.9083, 14.2946,
20.3263

■ 14.7561, 17.2280,
20.6370

■ 16.1244, 17.9905,
20.7121

■ 17.6955, 18.8577,
20.7967

■ 19.4773, 19.8337,
20.8911

■ 21.4773, 20.9224,
20.9959

■ 23.7027, 22.1274,
21.1112

Harmonies

Analogous

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



10.9901, 15.1320, 14.6634



11.1302, 15.1320, 20.4233



12.0957, 15.1320, 26.1621

Triad

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



11.1302, 15.1320, 20.4233



17.4546, 15.1320, 24.4240



15.0503, 15.1320, 7.9876

Complementary

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



11.1302, 15.1320, 20.4233



9.3756, 6.2878, 3.2025

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.



16.9408, 15.1320, 9.5355



11.1302, 15.1320, 20.4233



18.4098, 15.1320, 18.4325

Square

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



11.1302, 15.1320, 20.4233



15.7017, 15.1320, 28.8105



18.2137, 15.1320, 13.0735



13.1393, 15.1320, 8.2863

Rectangle

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



11.1302, 15.1320, 20.4233



13.1304, 15.1320, 28.7961



18.2137, 15.1320, 13.0735



15.7118, 15.1320, 8.2926

Sweetspot

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



11.1307, 15.1326, 20.4237



27.2009, 31.2849, 36.9979



8.4183, 14.4323, 4.9549



6.0947, 7.0836, 8.4527



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.1307, 15.1326, 20.4237



18.7551, 26.3501, 36.4905



7.5310, 7.9333, 19.2238



4.0985, 4.4952, 5.0948



10.6168, 15.3159, 21.7820



50.5400, 72.8527, 103.8680

Inverse Universe

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



12.1537, 7.2740, 18.2168



20.7779, 11.1309, 32.0554



11.5503, 10.6370, 3.9274



4.1502, 4.0758, 4.9884



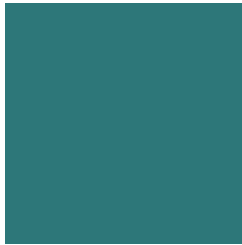
11.9422, 5.7530, 18.7842



56.9134, 27.4217, 89.3290

Previews

White Background



This preview shows how the XYZ color 11.1302, 15.1320, 20.4233 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 11.1302, 15.1320, 20.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

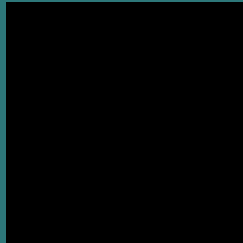
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.1302, 15.1320, 20.4233

Background



This preview shows how black text looks on a background with the XYZ color 11.1302, 15.1320, 20.4233.

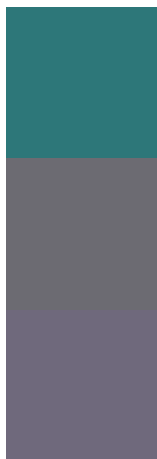


This preview shows how white text looks on a background with the XYZ color 11.1302, 15.1320,

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

11.1302, 15.1320, 20.4233

Protanopia

14.4793, 14.9184, 18.0360

Deuteranopia

15.2452, 14.9379, 21.1486



Tritanopia

11.5936, 15.1438, 22.7341

Trichromacy



Original Color

11.1302, 15.1320, 20.4233

Protanomaly

12.6416, 14.5845, 18.9784

Deuteranomaly

13.0816, 14.6082, 20.8691

Tritanomaly

11.3524, 15.0419, 21.7071

Monochromacy



Original Color

11.1302, 15.1320, 20.4233

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.7950, 12.7635, 15.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1302, 15.1320, 20.4233 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(45, 119, 121)` looks like.

```
.text, #text, p{  
    color:rgb(45, 119, 121)  
}
```

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(45, 119, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 119, 121) }
```

Border

The CSS property to change the border of an element to XYZ 11.1302, 15.1320, 20.4233 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(45, 119, 121) }
```


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

```
.border{ border-color:rgb(45, 119, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 119, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 119, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 119, 121);  
box-shadow:4px 4px 4px 4px rgb(45, 119,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1302, 15.1320, 20.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 119, 121) }
```

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

```
.background{ background-color: rgb(45, 119,  
121) }
```

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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