

Converting Colors

XYZ(11.1391, 12.7530, 18.9877)

Have a look what the booklet for
XYZ(11.1391, 12.7530, 18.9877)
contains.

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Color

**XYZ(11.1220, 12.7045,
19.0056)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6876
RGB	75, 104, 118
RGB Percent	29%, 41%, 46%
CMY	0.7059, 0.5921, 0.5373
CMYK	0.36, 0.12, 0.00, 0.54
HSL	200°, 22%, 38%
HSV	200°, 36%, 46%
XYZ	11.1220, 12.7045, 19.0056
YIQ	96.9250, -21.7780, -1.7940

Conversions

Conversions Part 2

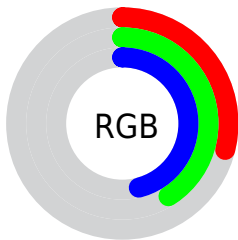
Format	Color
R _Y B	75, 92, 118
Decimal	4941942
CIE Lab	42.31, -6.80, -11.23
CIE LCh	42, 13.127, 238.820
Yxy	12.7045, 0.2597, 0.2966
Android (android.graphics.Color)	4283132022 (0xFF4B6876)
YUV	96.9250, 10.3900, -19.2282
Hunter-Lab	35.6434, -6.6776, -6.6640

Details

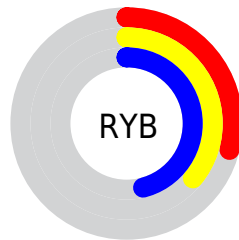
The XYZ color **11.1220, 12.7045, 19.0056** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.3138, 11.5045, 8.2286**, and the grayscale version is **11.3233, 11.9130, 12.9733**.

A 20% lighter version of the original color is **27.4345, 30.7049, 42.5109**, and **3.0206, 3.6015, 6.3303** is the 20% darker color. If you saturate the color by 10%, you get **9.9055, 11.5166, 18.8406**, and if you desaturate by 10%, it is **12.5282, 14.0169, 19.1850**.

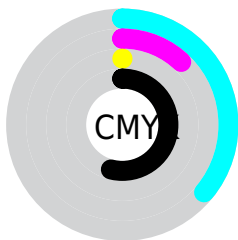
Distribution



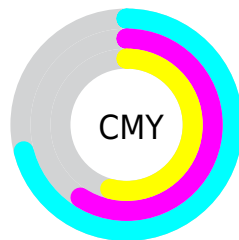
- Red (29%)
- Green (41%)
- Blue (46%)



- Red (29%)
- Yellow (36%)
- Blue (46%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (54%)



- Cyan (71%)
- Magenta (59%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1220, 12.7045, 19.0056 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 11.1220, 12.7045, 19.0056 by changing the saturation by 10% instead.

■ 11.1220, 12.7045,
19.0056

■ 11.1220, 12.7045,
19.0056

192.3937,
209.0151, 258.9034

■ 6.2169, 7.2254,
11.4975

■ 27.5165, 30.7719,
42.5804

■ 3.0193, 3.6034,
6.2841

■ 39.7366, 44.1289,
59.4841

■ 1.1640, 1.4543,
2.9470

■ 55.1256, 60.8807,
80.3568

■ 0.0776, 0.2562,
1.0677

■ 74.0491, 81.4117,
105.6170

■ 0.0000, 0.0000,
0.0000

■ 96.8723, 106.1062,
135.6832

123.9605,

135.3487, 170.9740

155.6792,
169.5235, 211.9079

■ 11.1220, 12.7045,
19.0056

■ 11.1220, 12.7045,
19.0056

■ 9.9055, 11.5166,
18.8406

■ 12.5282, 14.0169,
19.1850

■ 8.8676, 10.4463,
18.6888

■ 14.1318, 15.4574,
19.3785

■ 7.9983, 9.4884,
18.5497

■ 15.9417, 17.0309,
19.5869

■ 7.2857, 8.6363,
18.4228

■ 17.9656, 18.7420,
19.8105

■ 6.7161, 7.8828,
18.3073

■ 20.2111, 20.5947,
20.0497

■ 6.2615, 7.2129,
18.2020

■ 22.6852, 22.5931,
20.3051

■ 6.1084, 6.9846,
18.1660

■ 25.3946, 24.7410,
20.5768

■ 28.3459, 27.0419,
20.8654

■ 31.5452, 29.4993,
21.1711

Harmonies

Analogous

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



10.4924, 12.7045, 16.6127



11.1220, 12.7045, 19.0056



12.0363, 12.7045, 19.9880

Triad

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



11.1220, 12.7045, 19.0056



14.0672, 12.7045, 13.9450



11.1860, 12.7045, 9.6082

Complementary

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



11.1220, 12.7045, 19.0056



12.3138, 11.5045, 8.2286

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.



12.1143, 12.7045, 9.0923



11.1220, 12.7045, 19.0056



13.8098, 12.7045, 11.3821

Square

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



11.1220, 12.7045, 19.0056



13.7672, 12.7045, 16.8321



13.0815, 12.7045, 9.6961



10.5279, 12.7045, 11.2132

Rectangle

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



11.1220, 12.7045, 19.0056



12.6959, 12.7045, 19.6215



13.0815, 12.7045, 9.6961



11.4752, 12.7045, 9.3122

Sweetspot

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



11.1224, 12.7050, 19.0059



26.4456, 28.5782, 34.2593



11.1675, 15.1679, 11.7065



6.0061, 6.5060, 7.8682



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.1224, 12.7050, 19.0059



17.6856, 20.5181, 33.1653



9.2564, 8.9729, 18.3839



3.6876, 3.9639, 4.6610



6.5967, 7.5331, 19.6489



31.3425, 35.1016, 95.4836

Inverse Universe

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



12.4863, 9.8836, 14.3469



20.5415, 15.0178, 23.3183



14.3300, 15.5369, 8.9006



3.7783, 3.7386, 4.3595



9.6269, 4.7845, 8.5091



46.5070, 23.1529, 39.3287

Previews

White Background



This preview shows how the XYZ color 11.1220, 12.7045, 19.0056 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 11.1220, 12.7045, 19.0056 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

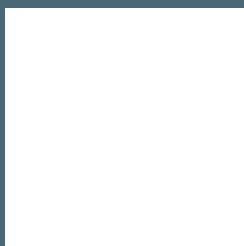
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.1220, 12.7045, 19.0056

Background



This preview shows how black text looks on a background with the XYZ color 11.1220, 12.7045, 19.0056.

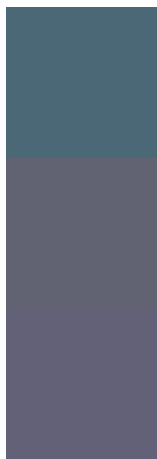


This preview shows how white text looks on a background with the XYZ color 11.1220, 12.7045,

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

11.1220, 12.7045, 19.0056

Protanopia

12.4861, 12.7029, 18.0135

Deuteranopia

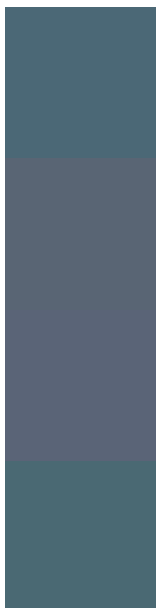
12.7501, 12.5339, 19.2001



Tritanopia

10.8563, 12.7513, 17.5118

Trichromacy



Original Color

11.1220, 12.7045, 19.0056

Protanomaly

11.9259, 12.6922, 18.3443

Deuteranomaly

12.1034, 12.6199, 19.2507

Tritanomaly

10.9701, 12.7968, 18.1115

Monochromacy



Original Color

11.1220, 12.7045, 19.0056

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2268, 12.2581, 15.1389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1220, 12.7045, 19.0056 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(75, 104, 118)` looks like.

```
.text, #text, p{  
    color:rgb(75, 104, 118)  
}
```

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(75, 104, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 104, 118) }
```

Border

The CSS property to change the border of an element to XYZ 11.1220, 12.7045, 19.0056 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(75, 104, 118) }
```


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

```
.border{ border-color:rgb(75, 104, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 104, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 104, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 104, 118);  
box-shadow:4px 4px 4px 4px rgb(75, 104,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1220, 12.7045, 19.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 104, 118) }
```

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

```
.background{ background-color: rgb(75, 104,  
118) }
```

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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