

Converting Colors

XYZ(11.5621, 12.9162, 22.2310)

Have a look what the booklet for
XYZ(11.5621, 12.9162, 22.2310)
contains.

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Color

**XYZ(11.5191, 12.8369,
22.2927)**

Conversions

Conversions Part 1

Format	Color
Hex	486880
RGB	72, 104, 128
RGB Percent	28%, 41%, 50%
CMY	0.7176, 0.5921, 0.4980
CMYK	0.44, 0.19, 0.00, 0.50
HSL	206°, 28%, 39%
HSV	206°, 44%, 50%
XYZ	11.5191, 12.8369, 22.2927
YIQ	97.1680, -26.7760, 0.6800

Conversions

Conversions Part 2

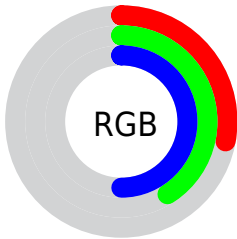
Format	Color
R_{YB}	72, 92, 128
Decimal	4745344
CIE _{Lab}	42.52, -4.79, -16.99
CIE _{LCh}	43, 17.649, 254.253
Yxy	12.8369, 0.2469, 0.2752
Android (android.graphics.Color)	4282935424 (0xFF486880)
YUV	97.1680, 15.2002, -22.0723
Hunter-Lab	35.8286, -5.3113, -11.8104

Details

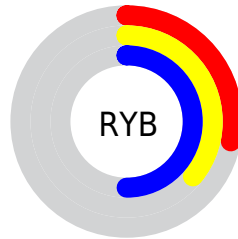
The XYZ color **11.5191, 12.8369, 22.2927** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.2549, 13.4231, 7.9709**, and the grayscale version is **11.3725, 11.9647, 13.0296**.

A 20% lighter version of the original color is **28.2302, 30.9898, 48.2098**, and **3.1837, 3.6502, 7.9339** is the 20% darker color. If you saturate the color by 10%, you get **10.1281, 11.3269, 22.0748**, and if you desaturate by 10%, it is **13.1455, 14.5222, 22.5325**.

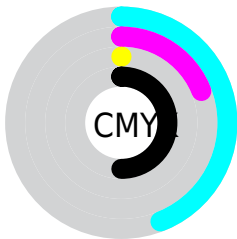
Distribution



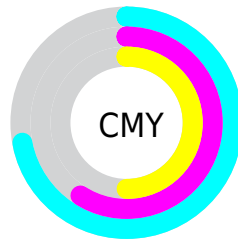
- Red (28%)
- Green (41%)
- Blue (50%)



- Red (28%)
- Yellow (36%)
- Blue (50%)



- Cyan (44%)
- Magenta (19%)
- Yellow (0%)
- Black (50%)



- Cyan (72%)
- Magenta (59%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5191, 12.8369, 22.2927 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 11.5191, 12.8369, 22.2927 by changing the saturation by 10% instead.

■ 11.5191, 12.8369,
22.2927

■ 11.5191, 12.8369,
22.2927

195.0307,
209.8697, 277.0742

■ 6.4870, 7.3163,
13.8718

■ 28.2407, 31.0105,
48.1377

■ 3.1868, 3.6607,
7.8938

■ 40.6609, 44.4322,
66.3988

■ 1.2533, 1.4856,
3.9403

■ 56.2744, 61.2565,
88.7770

■ 0.1479, 0.2786,
1.5926

■ 75.4468, 81.8678,
115.6910

■ 0.0000, 0.0000,
0.2856

■ 98.5432, 106.6503,
147.5591

■ 0.0000, 0.0000,
0.0000

125.9291,

135.9885, 184.8000

157.9698,
170.2669, 227.8322

■ 11.5191, 12.8369,
22.2927

■ 11.5191, 12.8369,
22.2927

■ 10.1281, 11.3269,
22.0748

■ 13.1455, 14.5222,
22.5325

■ 8.9583, 9.9829,
21.8770

■ 15.0182, 16.3885,
22.7940

■ 7.9955, 8.7969,
21.6989

■ 17.1487, 18.4430,
23.0783

■ 7.2232, 7.7594,
21.5393

■ 19.5475, 20.6919,
23.3860

■ 6.6207, 6.8585,
21.3972

■ 22.2243, 23.1414,
23.7177

■ 6.2884, 6.3427,
21.3151

■ 25.1885, 25.7969,
24.0740

■ 28.4489, 28.6640,
24.4556

■ 32.0139, 31.7479,
24.8629

■ 35.8918, 35.0535,
25.2966

Harmonies

Analogous

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



10.4569, 12.8369, 19.7464



11.5191, 12.8369, 22.2927



12.8426, 12.8369, 22.3603

Triad

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



11.5191, 12.8369, 22.2927



14.8557, 12.8369, 12.2479



10.4996, 12.8369, 9.3540

Complementary

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



11.5191, 12.8369, 22.2927



14.2549, 13.4231, 7.9709

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.



11.5813, 12.8369, 8.0049



11.5191, 12.8369, 22.2927



14.1291, 12.8369, 9.4578

Square

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



11.5191, 12.8369, 22.2927



14.8360, 12.8369, 16.0639



12.9095, 12.8369, 8.0391



9.8982, 12.8369, 12.0795

Rectangle

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



11.5191, 12.8369, 22.2927



13.7002, 12.8369, 20.9593



12.9095, 12.8369, 8.0391



10.8155, 12.8369, 8.7485

Sweetspot

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



11.5195, 12.8374, 22.2930



30.3722, 32.6419, 40.6560



12.4727, 17.6486, 13.6556



6.9331, 7.4731, 9.4954



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.



11.5195, 12.8374, 22.2930



17.9568, 20.0815, 38.8860



9.1998, 8.1979, 21.5198



4.2968, 4.5876, 5.4723



6.2367, 6.2919, 21.1357



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7185, 10.2238, 14.3476



22.4601, 15.3331, 22.4794



17.1964, 19.3061, 8.9514



4.4227, 4.3822, 5.0302



10.0250, 5.0297, 6.7212



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.5191, 12.8369, 22.2927 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 11.5191, 12.8369, 22.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

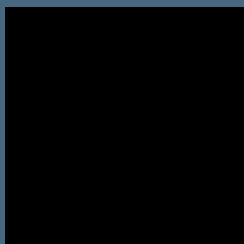
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

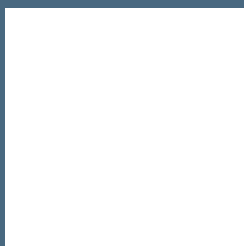
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5191, 12.8369, 22.2927

Background



This preview shows how black text looks on a background with the XYZ color 11.5191, 12.8369, 22.2927.

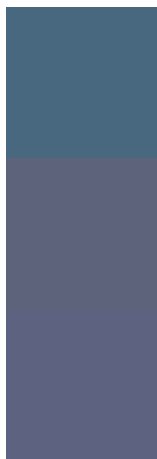


This preview shows how white text looks on a background with the XYZ color 11.5191, 12.8369,

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

11.5191, 12.8369, 22.2927

Protanopia

12.7160, 12.7586, 20.8612

Deuteranopia

12.9462, 12.7000, 22.5379



Tritanopia

10.6324, 12.7748, 18.1251

Trichromacy



Original Color

11.5191, 12.8369, 22.2927

Protanomaly

12.1931, 12.7665, 21.2236

Deuteranomaly

12.3574, 12.6778, 22.5646

Tritanomaly

10.8960, 12.7244, 19.6511

Monochromacy



Original Color

11.5191, 12.8369, 22.2927

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2884, 12.2718, 15.9611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5191, 12.8369, 22.2927 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(72, 104, 128)` looks like.

```
.text, #text, p{  
    color:rgb(72, 104, 128)  
}
```

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(72, 104, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 104, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.5191, 12.8369, 22.2927 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(72, 104, 128) }
```


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

```
.border{ border-color:rgb(72, 104, 128) }
```

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

Here you see how a box with a 4 pixel rgb(72, 104, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 104, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 104, 128);  
box-shadow:4px 4px 4px 4px rgb(72, 104,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5191, 12.8369, 22.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 104, 128) }
```

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

```
.background{ background-color: rgb(72, 104,  
128) }
```

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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