

Converting Colors

XYZ(12.0114, 13.2920, 20.9921)

Have a look what the booklet for
XYZ(12.0114, 13.2920, 20.9921)
contains.

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Color

**XYZ(11.9979, 13.2639,
20.9966)**

Conversions

Conversions Part 1

Format	Color
Hex	50697C
RGB	80, 105, 124
RGB Percent	31%, 41%, 49%
CMY	0.6863, 0.5882, 0.5137
CMYK	0.35, 0.15, 0.00, 0.51
HSL	206°, 22%, 40%
HSV	206°, 35%, 49%
XYZ	11.9979, 13.2639, 20.9966
YIQ	99.6910, -20.9990, 0.6090

Conversions

Conversions Part 2

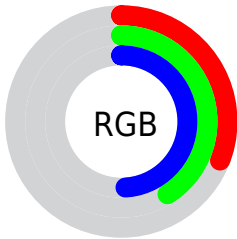
Format	Color
RYB	80, 96, 124
Decimal	5269884
CIELab	43.16, -4.17, -13.55
CIELCh	43, 14.179, 252.879
Yxy	13.2639, 0.2594, 0.2867
Android (android.graphics.Color)	4283459964 (0xFF50697C)
YUV	99.6910, 11.9843, -17.2690
Hunter-Lab	36.4196, -4.9302, -8.6880

Details

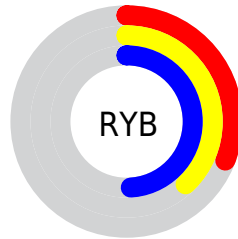
The XYZ color **11.9979, 13.2639, 20.9966** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2221, 13.7879, 9.5014**, and the grayscale version is **12.0092, 12.6346, 13.7590**.

A 20% lighter version of the original color is **29.1844, 31.7766, 46.1903**, and **3.3787, 3.8412, 7.2200** is the 20% darker color. If you saturate the color by 10%, you get **10.5178, 11.7169, 20.7762**, and if you desaturate by 10%, it is **13.7064, 14.9802, 21.2381**.

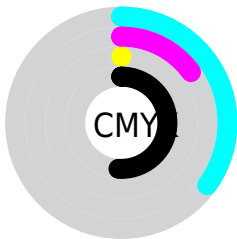
Distribution



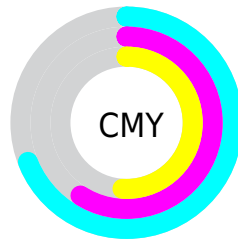
- Red (31%)
- Green (41%)
- Blue (49%)



- Red (31%)
- Yellow (38%)
- Blue (49%)



- Cyan (35%)
- Magenta (15%)
- Yellow (0%)
- Black (51%)



- Cyan (69%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9979, 13.2639, 20.9966 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 11.9979, 13.2639, 20.9966 by changing the saturation by 10% instead.

■ 11.9979, 13.2639,
20.9966

■ 11.9979, 13.2639,
20.9966

198.1616,
212.6021, 270.0409

■ 6.8144, 7.6105,
12.9303

■ 29.1082, 31.7771,
45.9626

■ 3.3916, 3.8468,
7.2504

■ 41.7657, 45.4057,
63.6994

■ 1.3641, 1.5882,
3.5384

■ 57.6453, 62.4615,
85.4967

■ 0.2304, 0.3496,
1.3757

■ 77.1123, 83.3288,
111.7732

■ 0.0000, 0.0000,
0.1226

■ 100.5320,
108.3922, 142.9473

■ 0.0000, 0.0000,
0.0000

128.2700,

138.0359, 179.4376

160.6913,
172.6444, 221.6626

■ 11.9979, 13.2639,
20.9966

■ 11.9979, 13.2639,
20.9966

■ 10.5178, 11.7169,
20.7762

■ 13.7064, 14.9802,
21.2381

■ 9.2536, 10.3310,
20.5754

■ 15.6526, 16.8707,
21.5004

■ 8.1935, 9.0993,
20.3935

■ 17.8466, 18.9416,
21.7845

■ 7.3236, 8.0139,
20.2298

■ 20.2976, 21.1987,
22.0910

■ 6.6285, 7.0656,
20.0834

■ 23.0142, 23.6472,
22.4204

■ 6.0827, 6.2404,
19.9529

■ 26.0049, 26.2923,
22.7733

■ 5.8571, 5.8932,
19.8978

■ 29.2774, 29.1387,
23.1502

■ 32.8393, 32.1913,
23.5517

■ 36.6980, 35.4544,
23.9782

Harmonies

Analogous

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



11.1278, 13.2639, 18.9402



11.9979, 13.2639, 20.9966



13.0815, 13.2639, 21.1451

Triad

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



11.9979, 13.2639, 20.9966



14.7702, 13.2639, 13.1409



11.2294, 13.2639, 10.4629

Complementary

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



11.9979, 13.2639, 20.9966



14.2221, 13.7879, 9.5014

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.



12.1440, 13.2639, 9.3305



11.9979, 13.2639, 20.9966



14.2117, 13.2639, 10.7193

Square

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



11.9979, 13.2639, 20.9966



14.7254, 13.2639, 16.2888



13.2362, 13.2639, 9.4170



10.7020, 13.2639, 12.7406

Rectangle

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



11.9979, 13.2639, 20.9966



13.7834, 13.2639, 20.1137



13.2362, 13.2639, 9.4170



11.4994, 13.2639, 9.9515

Sweetspot

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



11.9983, 13.2644, 20.9969



29.1206, 31.1875, 38.0416



12.7365, 17.0092, 14.2500



6.7610, 7.2529, 8.9467



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.9983, 13.2644, 20.9969



18.8655, 20.9991, 36.6155



10.0911, 9.4500, 20.3612



3.9690, 4.2362, 5.0517



5.9516, 5.9857, 20.2270



27.5317, 26.8360, 96.1986

Inverse Universe

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



13.7309, 11.0426, 14.7730



22.5023, 16.7547, 23.4577



16.5170, 18.3778, 10.2664



4.0848, 4.0496, 4.6441



9.5874, 4.8111, 6.3843



45.2999, 22.7763, 28.1729

Previews

White Background



This preview shows how the XYZ color 11.9979, 13.2639, 20.9966 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 11.9979, 13.2639, 20.9966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

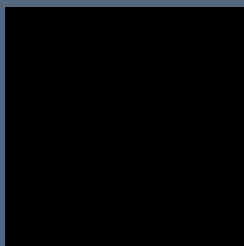
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

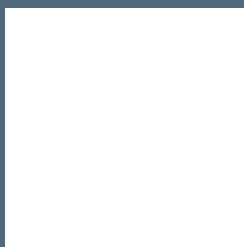
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9979, 13.2639, 20.9966

Background



This preview shows how black text looks on a background with the XYZ color 11.9979, 13.2639, 20.9966.

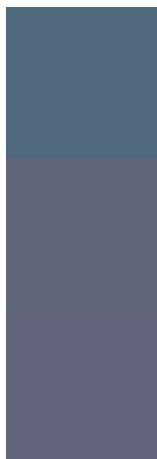


This preview shows how white text looks on a background with the XYZ color 11.9979, 13.2639,

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

11.9979, 13.2639, 20.9966

Protanopia

13.0346, 13.2292, 19.9557

Deuteranopia

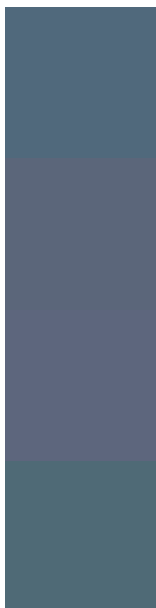
13.5144, 13.3043, 21.2577



Tritanopia

11.4941, 13.3729, 18.1951

Trichromacy



Original Color

11.9979, 13.2639, 20.9966

Protanomaly

12.5786, 13.1320, 20.2841

Deuteranomaly

12.9672, 13.3106, 21.2878

Tritanomaly

11.6485, 13.2783, 19.0886

Monochromacy



Original Color

11.9979, 13.2639, 20.9966

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0259, 12.9340, 16.3307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9979, 13.2639, 20.9966 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(80, 105, 124)` looks like.

```
.text, #text, p{  
    color:rgb(80, 105, 124)  
}
```

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(80, 105, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 105, 124) }
```

Border

The CSS property to change the border of an element to XYZ 11.9979, 13.2639, 20.9966 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(80, 105, 124) }
```


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

```
.border{ border-color:rgb(80, 105, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 105, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 105, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 105, 124);  
box-shadow:4px 4px 4px 4px rgb(80, 105,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9979, 13.2639, 20.9966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 105, 124) }
```

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

```
.background{ background-color: rgb(80, 105,  
124) }
```

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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