

Converting Colors

XYZ(12.9518, 14.0767, 19.7560)

Have a look what the booklet for
XYZ(12.9518, 14.0767, 19.7560)
contains.

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Color

**XYZ(12.9622, 14.0956,
19.8068)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6B78
RGB	91, 107, 120
RGB Percent	36%, 42%, 47%
CMY	0.6431, 0.5804, 0.5294
CMYK	0.24, 0.11, 0.00, 0.53
HSL	207°, 14%, 41%
HSV	207°, 24%, 47%
XYZ	12.9622, 14.0956, 19.8068
YIQ	103.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

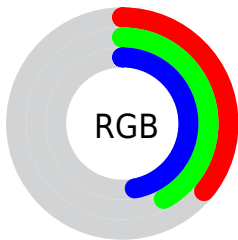
Format	Color
R_{YB}	91, 101, 120
Decimal	5991288
CIE _{Lab}	44.37, -2.85, -9.24
CIE _{LCh}	44, 9.666, 252.858
Yxy	14.0956, 0.2766, 0.3008
Android (android.graphics.Color)	4284181368 (0xFF5B6B78)
YUV	103.6980, 8.0369, -11.1361
Hunter-Lab	37.5441, -4.0746, -4.9982

Details

The XYZ color **12.9622, 14.0956, 19.8068** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5844, 14.6489, 11.9566**, and the grayscale version is **13.0596, 13.7397, 14.9626**.

A 20% lighter version of the original color is **30.8286, 33.1831, 43.8099**, and **3.8243, 4.2351, 6.7468** is the 20% darker color. If you saturate the color by 10%, you get **11.3292, 12.4473, 19.5750**, and if you desaturate by 10%, it is **14.8201, 15.9123, 20.0598**.

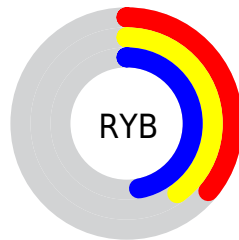
Distribution



Red (36%)

Green (42%)

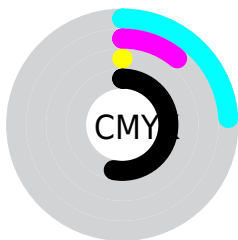
Blue (47%)



Red (36%)

Yellow (40%)

Blue (47%)

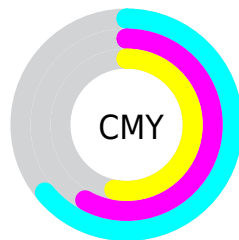


Cyan (24%)

Magenta (11%)

Yellow (0%)

Black (53%)



Cyan (64%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9622, 14.0956, 19.8068 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 12.9622, 14.0956, 19.8068 by changing the saturation by 10% instead.

■ 12.9622, 14.0956,
19.8068

■ 12.9622, 14.0956,
19.8068

204.3178,
217.8248, 263.4368

■ 7.4793, 8.1872,
12.0720

■ 30.8378, 33.2586,
43.9477

■ 3.8126, 4.2150,
6.6696

■ 43.9612, 47.2819,
61.1910

■ 1.5967, 1.7945,
3.1810

■ 60.3621, 64.7790,
82.4407

■ 0.3902, 0.4838,
1.1878

■ 80.4060, 86.1343,
108.1156

■ 0.0000, 0.0000,
0.0000

104.4581,
111.7321, 138.6341

132.8839,

141.9568, 174.4148

166.0487,
177.1929, 215.8762

■ 12.9622, 14.0956,
19.8068

■ 12.9622, 14.0956,
19.8068

■ 11.3292, 12.4473,
19.5750

■ 14.8201, 15.9123,
20.0598

■ 9.9103, 10.9599,
19.3626

■ 16.9107, 17.9013,
20.3335

■ 8.6955, 9.6277,
19.1695

■ 19.2429, 20.0685,
20.6289

■ 7.6735, 8.4438,
18.9949

■ 21.8246, 22.4187,
20.9465

■ 6.8320, 7.4007,
18.8379

■ 24.6636, 24.9569,
21.2867

■ 6.1566, 6.4902,
18.6977

■ 27.7671, 27.6875,
21.6502

■ 5.6277, 5.7009,
18.5733

■ 31.1422, 30.6151,
22.0374

■ 5.3509, 5.2776,
18.5061

■ 34.7955, 33.7438,
22.4488

■ 38.7335, 37.0779,
22.8848

Harmonies

Analogous

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



12.3326, 14.0956, 18.4436



12.9622, 14.0956, 19.8068



13.7324, 14.0956, 19.9050

Triad

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



12.9622, 14.0956, 19.8068



14.9063, 14.0956, 14.4158



12.4074, 14.0956, 12.4219

Complementary

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



12.9622, 14.0956, 19.8068



14.5844, 14.6489, 11.9566

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.



13.0680, 14.0956, 11.5452



12.9622, 14.0956, 19.8068



14.5219, 14.0956, 12.6193

Square

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



12.9622, 14.0956, 19.8068



14.8753, 14.0956, 16.6428



13.8423, 14.0956, 11.6138



12.0208, 14.0956, 14.1216

Rectangle

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



12.9622, 14.0956, 19.8068



14.2239, 14.0956, 19.2269



13.8423, 14.0956, 11.6138



12.6036, 14.0956, 12.0289

Sweetspot

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



12.9626, 14.0962, 19.8071



28.5937, 30.4011, 35.6140



13.5078, 16.6480, 15.4833



6.7394, 7.1697, 8.4354



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.



12.9626, 14.0962, 19.8071



21.1583, 23.1489, 34.6061



11.6133, 11.3974, 19.3573



3.9638, 4.2260, 5.0500



5.8232, 5.7289, 20.1842



26.9178, 25.6083, 95.9940

Inverse Universe

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



14.1409, 12.5370, 15.5852



23.6435, 20.0289, 25.6639



16.1205, 17.7212, 12.4686



4.0822, 4.0486, 4.6305



9.5226, 4.7852, 6.0430



44.9900, 22.6523, 26.5412

Previews

White Background



This preview shows how the XYZ color 12.9622, 14.0956, 19.8068 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 12.9622, 14.0956, 19.8068 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

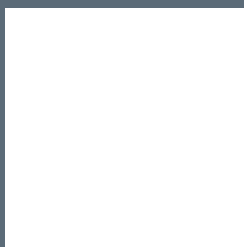
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9622, 14.0956, 19.8068

Background



This preview shows how black text looks on a background with the XYZ color 12.9622, 14.0956, 19.8068.

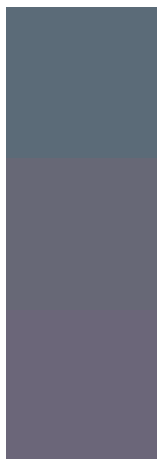


This preview shows how white text looks on a background with the XYZ color 12.9622, 14.0956,

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

12.9622, 14.0956, 19.8068

Protanopia

13.8138, 14.0922, 19.1315

Deuteranopia

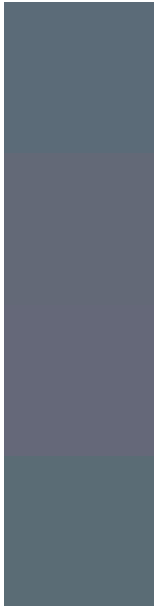
14.2660, 14.0090, 20.0413



Tritanopia

12.7314, 14.1597, 18.5851

Trichromacy



Original Color

12.9622, 14.0956, 19.8068

Protanomaly

13.5269, 14.0877, 19.4590

Deuteranomaly

13.7683, 14.0478, 20.0750

Tritanomaly

12.7899, 14.1831, 18.8931

Monochromacy



Original Color

12.9622, 14.0956, 19.8068

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0116, 13.8816, 16.7455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9622, 14.0956, 19.8068 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(91, 107, 120) looks like.

```
.text, #text, p{  
    color:rgb(91, 107, 120)  
}
```

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(91, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 107, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.9622, 14.0956, 19.8068 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(91, 107, 120) }
```


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

```
.border{ border-color:rgb(91, 107, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 107, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(91, 107,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9622, 14.0956, 19.8068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 107, 120) }
```

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

```
.background{ background-color: rgb(91, 107,  
120) }
```

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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