

Converting Colors

XYZ(11.9928, 15.7725, 21.4536)

Have a look what the booklet for
XYZ(11.9928, 15.7725, 21.4536)
contains.

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Color

**XYZ(11.9854, 15.7289,
21.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	38787C
RGB	56, 120, 124
RGB Percent	22%, 47%, 49%
CMY	0.7804, 0.5294, 0.5137
CMYK	0.55, 0.03, 0.00, 0.51
HSL	184°, 38%, 35%
HSV	184°, 55%, 49%
XYZ	11.9854, 15.7289, 21.4731
YIQ	101.3200, -39.4280, -12.3240

Conversions

Conversions Part 2

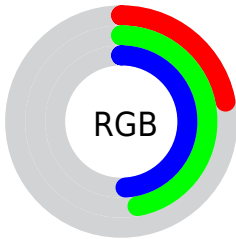
Format	Color
RYB	56, 89, 124
Decimal	3700860
CIELab	46.62, -19.17, -8.45
CIELCh	47, 20.951, 203.801
Yxy	15.7289, 0.2437, 0.3198
Android (android.graphics.Color)	4281890940 (0xFF38787C)
YUV	101.3200, 11.1812, -39.7456
Hunter-Lab	39.6597, -15.4606, -4.3399




Details

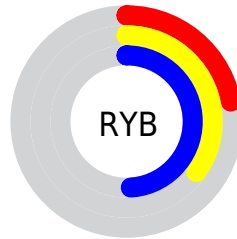
The XYZ color **11.9854, 15.7289, 21.4731** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.6421, 7.8026, 4.6868**, and the grayscale version is **12.4320, 13.0794, 14.2435**.




A 20% lighter version of the original color is **29.0867, 36.2729, 46.5426**, and **3.5232, 5.0145, 7.4388** is the 20% darker color. If you saturate the color by 10%, you get **11.2892, 15.2406, 21.4158**, and if you desaturate by 10%, it is **12.8550, 16.3082, 21.5394**.

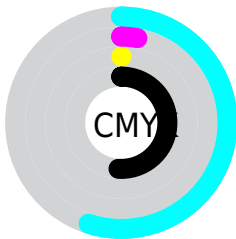
Distribution







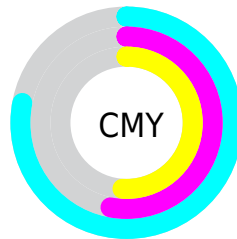
-  Red (22%)
-  Green (47%)
-  Blue (49%)






-  Red (22%)
-  Yellow (35%)
-  Blue (49%)



-  Cyan (55%)
-  Magenta (3%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (78%)
-  Magenta (53%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9854, 15.7289, 21.4731 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 11.9854, 15.7289, 21.4731 by changing the saturation by 10% instead.

■ 11.9854, 15.7289,
21.4731

■ 11.9854, 15.7289,
21.4731

■ 198.0805,
227.7367, 272.6453

■ 6.8059, 9.3325,
13.2757

■ 29.0856, 36.1269,
46.7646

■ 3.3862, 4.9587,
7.4857

■ 41.7370, 50.8973,
64.6956

■ 1.3612, 2.2231,
3.6846

■ 57.6097, 69.2279,
86.7084

■ 0.2283, 0.7325,
1.4540

■ 77.0691, 91.5030,
113.2213

■ 0.0000, 0.0000,
0.1833

■ 100.4805,
118.1070, 144.6529

■ 0.0000, 0.0000,
0.0000

■ 128.2093,

149.4244, 181.4217

160.6208,
185.8395, 223.9464

■ 11.9854, 15.7289,
21.4731

■ 11.9854, 15.7289,
21.4731

■ 11.2892, 15.2406,
21.4158

■ 12.8550, 16.3082,
21.5394

■ 10.7520, 14.8350,
21.3658

■ 13.9081, 16.9828,
21.6141

■ 10.3594, 14.5049,
21.3228

■ 15.1557, 17.7587,
21.6981

■ 10.0895, 14.2390,
21.2857

■ 16.6078, 18.6410,
21.7918

■ 9.9655, 14.1100,
21.2674

■ 18.2734, 19.6343,
21.8958

■ 20.1610, 20.7431,
22.0103

■ 22.2789, 21.9716,
22.1358

■ 24.6346, 23.3237,
22.2726

■ 27.2356, 24.8033,
22.4211

Harmonies

Analogous

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



11.7490, 15.7289, 16.0718



11.9854, 15.7289, 21.4731



12.9866, 15.7289, 26.4977

Triad

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



11.9854, 15.7289, 21.4731



17.9389, 15.7289, 23.7153



15.3289, 15.7289, 9.0033

Complementary

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



11.9854, 15.7289, 21.4731



10.6421, 7.8026, 4.6868

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.



17.1016, 15.7289, 10.2745



11.9854, 15.7289, 21.4731



18.6848, 15.7289, 18.2255

Square

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



11.9854, 15.7289, 21.4731



16.3993, 15.7289, 27.9642



18.3668, 15.7289, 13.4093



13.5885, 15.7289, 9.5275

Rectangle

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



11.9854, 15.7289, 21.4731



13.9995, 15.7289, 28.5958



18.3668, 15.7289, 13.4093



15.9423, 15.7289, 9.2249

Sweetspot

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



11.9859, 15.7295, 21.4735



28.8071, 32.5512, 38.3213



9.6387, 15.5763, 6.6911



6.6804, 7.6033, 9.0186



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.



11.9859, 15.7295, 21.4735



19.5812, 26.6107, 37.6610



8.6452, 9.0481, 20.3599



4.0879, 4.4740, 5.0913



10.1301, 14.3427, 21.6198



48.1014, 67.9753, 103.0551

Inverse Universe

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



13.1169, 8.4698, 18.7134



21.8431, 12.5842, 32.0309



12.9759, 12.4701, 5.4647



4.1448, 4.0736, 4.9602



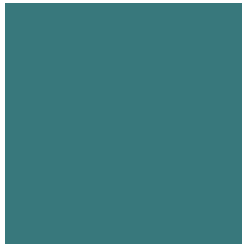
11.6965, 5.6548, 17.4907



55.6825, 26.9293, 82.8470

Previews

White Background



This preview shows how the XYZ color 11.9854, 15.7289, 21.4731 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 11.9854, 15.7289, 21.4731 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 11.9854, 15.7289, 21.4731

Background



This preview shows how black text looks on a background with the XYZ color 11.9854, 15.7289, 21.4731.



This preview shows how white text looks on a background with the XYZ color 11.9854, 15.7289,

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

11.9854, 15.7289, 21.4731

Protanopia

15.1099, 15.5366, 19.0321

Deuteranopia

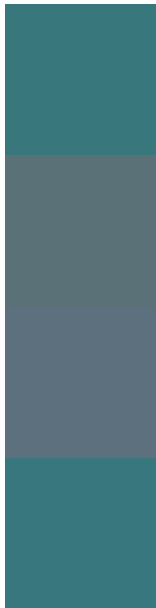
15.8985, 15.5584, 22.2438



Tritanopia

12.3042, 15.6782, 23.1466

Trichromacy



Original Color

11.9854, 15.7289, 21.4731

Protanomaly

13.5117, 15.3400, 20.0181

Deuteranomaly

13.9737, 15.3700, 21.9689

Tritanomaly

12.1149, 15.5958, 22.4504

Monochromacy



Original Color

11.9854, 15.7289, 21.4731

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.8692, 13.7605, 16.4985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9854, 15.7289, 21.4731 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(56, 120, 124)` looks like.

```
.text, #text, p{  
    color:rgb(56, 120, 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(56, 120, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 120, 124) }
```

Border

The CSS property to change the border of an element to XYZ 11.9854, 15.7289, 21.4731 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(56, 120, 124) }
```


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

```
.border{ border-color:rgb(56, 120, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 120, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 120, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 120, 124);  
box-shadow:4px 4px 4px 4px rgb(56, 120,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9854, 15.7289, 21.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 120, 124) }
```

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

```
.background{ background-color: rgb(56, 120,  
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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