

Converting Colors

XYZ(12.3338, 13.7722, 19.4091)

Have a look what the booklet for
XYZ(12.3338, 13.7722, 19.4091)
contains.

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Color

**XYZ(12.3338, 13.7786,
19.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	556B77
RGB	85, 107, 119
RGB Percent	33%, 42%, 47%
CMY	0.6667, 0.5804, 0.5333
CMYK	0.29, 0.10, 0.00, 0.53
HSL	201°, 17%, 40%
HSV	201°, 29%, 47%
XYZ	12.3338, 13.7786, 19.4622
YIQ	101.7900, -16.9640, -0.9320

Conversions

Conversions Part 2

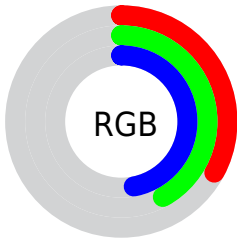
Format	Color
R_{YB}	85, 98, 119
Decimal	5598071
CIE _{Lab}	43.91, -5.11, -9.36
CIE _{LCh}	44, 10.666, 241.365
Yxy	13.7786, 0.2706, 0.3023
Android (android.graphics.Color)	4283788151 (0xFF556B77)
YUV	101.7900, 8.4845, -14.7248
Hunter-Lab	37.1195, -5.6486, -5.1028

Details

The XYZ color **12.3338, 13.7786, 19.4622** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5223, 13.1273, 10.4159**, and the grayscale version is **12.5566, 13.2105, 14.3863**.

A 20% lighter version of the original color is **29.5692, 32.5449, 43.2514**, and **3.5525, 4.0987, 6.5651** is the 20% darker color. If you saturate the color by 10%, you get **10.9158, 12.4136, 19.2737**, and if you desaturate by 10%, it is **13.9556, 15.2809, 19.6669**.

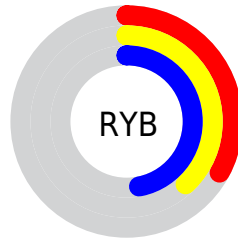
Distribution



 Red (33%)

 Green (42%)

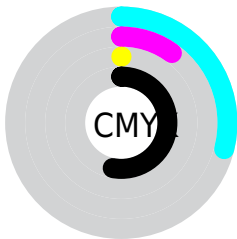
 Blue (47%)



 Red (33%)

 Yellow (38%)

 Blue (47%)

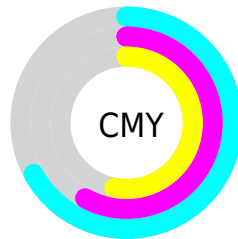


 Cyan (29%)

 Magenta (10%)

 Yellow (0%)

 Black (53%)



 Cyan (67%)

 Magenta (58%)

 Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3338, 13.7786, 19.4622 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 12.3338, 13.7786, 19.4622 by changing the saturation by 10% instead.

■ 12.3338, 13.7786,
19.4622

■ 12.3338, 13.7786,
19.4622

200.3279,
215.8491, 261.4958

■ 7.0452, 7.9668,
11.8245

■ 29.7132, 32.6957,
43.3607

■ 3.5370, 4.0737,
6.5032

■ 42.5348, 46.5698,
60.4587

■ 1.4437, 1.7149,
3.0797

■ 58.5981, 63.9001,
81.5471

■ 0.2870, 0.4333,
1.1355

■ 78.2685, 85.0711,
107.0446

■ 0.0000, 0.0000,
0.0000

■ 101.9113,
110.4671, 137.3697

129.8919,

140.4725, 172.9409

162.5756,
175.4717, 214.1768

■ 12.3338, 13.7786,
19.4622

■ 12.3338, 13.7786,
19.4622

■ 10.9158, 12.4136,
19.2737

■ 13.9556, 15.2809,
19.6669

■ 9.6910, 11.1791,
19.1000

■ 15.7888, 16.9238,
19.8874

■ 8.6497, 10.0697,
18.9407

■ 17.8419, 18.7126,
20.1245

■ 7.7806, 9.0794,
18.7954

■ 20.1227, 20.6516,
20.3785

■ 7.0713, 8.2012,
18.6633

■ 22.6386, 22.7450,
20.6500

■ 6.5074, 7.4273,
18.5436

■ 25.3965, 24.9969,
20.9393

■ 6.0475, 6.7357,
18.4343

■ 28.4033, 27.4111,
21.2468

■ 5.9840, 6.6403,
18.4193

■ 31.6653, 29.9913,
21.5729

■ 35.1887, 32.7412,
21.9180

Harmonies

Analogous

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



11.7589, 13.7786, 17.5537



12.3338, 13.7786, 19.4622



13.1348, 13.7786, 20.1446

Triad

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



12.3338, 13.7786, 19.4622



14.7863, 13.7786, 14.8921



12.2696, 13.7786, 11.3740

Complementary

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



12.3338, 13.7786, 19.4622



13.5223, 13.1273, 10.4159

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.



13.0575, 13.7786, 10.8197



12.3338, 13.7786, 19.4622



14.5311, 13.7786, 12.7114

Square

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



12.3338, 13.7786, 19.4622



14.5726, 13.7786, 17.3417



13.8893, 13.7786, 11.2822



11.7229, 13.7786, 12.8838

Rectangle

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



12.3338, 13.7786, 19.4622



13.6962, 13.7786, 19.7599



13.8893, 13.7786, 11.2822



12.5138, 13.7786, 11.0775

Sweetspot

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



12.3342, 13.7792, 19.4625



28.0449, 30.1039, 35.5856



12.4965, 15.9864, 13.7122



6.5477, 7.0469, 8.4218



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.



12.3342, 13.7792, 19.4625



20.4471, 23.1076, 34.6356



10.7410, 10.5928, 18.9315



3.6797, 3.9481, 4.6584



6.3484, 7.0365, 19.5662



30.1086, 32.6338, 95.0723

Inverse Universe

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



13.5104, 11.4809, 15.4145



22.9473, 18.4596, 25.9775



15.2537, 16.5902, 10.9930



3.7744, 3.7370, 4.3386



9.5015, 4.7343, 7.8491



45.8842, 22.9038, 36.0490

Previews

White Background



This preview shows how the XYZ color 12.3338, 13.7786, 19.4622 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 12.3338, 13.7786, 19.4622 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

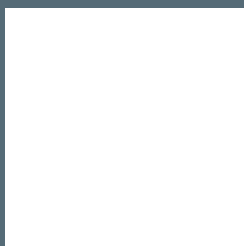
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3338, 13.7786, 19.4622

Background



This preview shows how black text looks on a background with the XYZ color 12.3338, 13.7786, 19.4622.

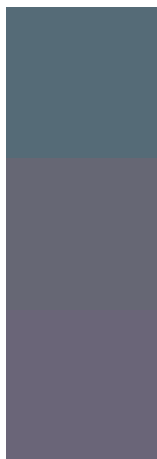


This preview shows how white text looks on a background with the XYZ color 12.3338, 13.7786,

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

12.3338, 13.7786, 19.4622

Protanopia

13.4821, 13.7862, 18.4734

Deuteranopia

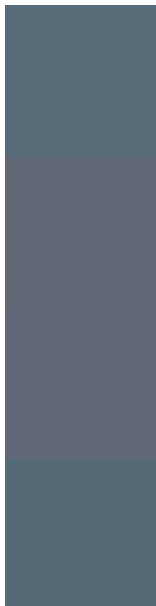
13.9877, 13.7276, 19.6818



Tritanopia

12.0662, 13.6612, 18.5239

Trichromacy



Original Color

12.3338, 13.7786, 19.4622

Protanomaly

12.9851, 13.6718, 18.7842

Deuteranomaly

13.2774, 13.6532, 19.7048

Tritanomaly

12.1247, 13.6846, 18.8320

Monochromacy



Original Color

12.3338, 13.7786, 19.4622

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4810, 13.4701, 16.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3338, 13.7786, 19.4622 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(85, 107, 119) looks like.

```
.text, #text, p{  
    color:rgb(85, 107, 119)  
}
```

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(85, 107, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.3338, 13.7786, 19.4622 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(85, 107, 119) }
```


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

```
.border{ border-color:rgb(85, 107, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 107, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 119);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3338, 13.7786, 19.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 119) }
```

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

```
.background{ background-color: rgb(85, 107,  
119) }
```

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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