

Converting Colors

XYZ(13.6792, 15.3838, 22.4983)

Have a look what the booklet for
XYZ(13.6792, 15.3838, 22.4983)
contains.

XYZ(13.7319, 15.3950, 22.6699)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.7319, 15.3950,
22.6699)**

Conversions

Conversions Part 1

Format	Color
Hex	577180
RGB	87, 113, 128
RGB Percent	34%, 44%, 50%
CMY	0.6588, 0.5569, 0.4980
CMYK	0.32, 0.12, 0.00, 0.50
HSL	202°, 19%, 42%
HSV	202°, 32%, 50%
XYZ	13.7319, 15.3950, 22.6699
YIQ	106.9360, -20.3110, -0.8470

Conversions

Conversions Part 2

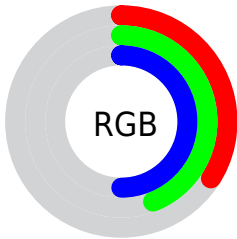
Format	Color
R_{YB}	87, 103, 128
Decimal	5730688
CIE _{Lab}	46.17, -5.61, -11.35
CIE _{LCh}	46, 12.661, 243.676
Yxy	15.3950, 0.2651, 0.2972
Android (android.graphics.Color)	4283920768 (0xFF577180)
YUV	106.9360, 10.3846, -17.4839
Hunter-Lab	39.2365, -6.1927, -6.7908

Details

The XYZ color **13.7319, 15.3950, 22.6699** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3740, 14.7803, 11.0598**, and the grayscale version is **13.9340, 14.6596, 15.9643**.

A 20% lighter version of the original color is **32.2769, 35.6497, 48.8960**, and **4.1383, 4.7764, 8.1010** is the 20% darker color. If you saturate the color by 10%, you get **12.1323, 13.8151, 22.4495**, and if you desaturate by 10%, it is **15.5714, 17.1394, 22.9099**.

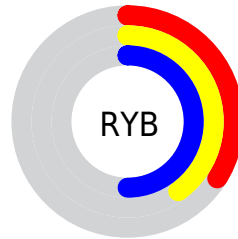
Distribution



Red (34%)

Green (44%)

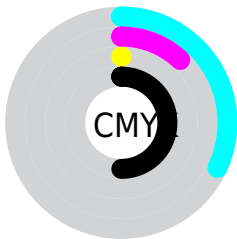
Blue (50%)



Red (34%)

Yellow (40%)

Blue (50%)

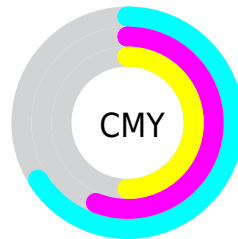


Cyan (32%)

Magenta (12%)

Yellow (0%)

Black (50%)



Cyan (66%)

Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7319, 15.3950, 22.6699 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 13.7319, 15.3950, 22.6699 by changing the saturation by 10% instead.

■ 13.7319, 15.3950,
22.6699

■ 13.7319, 15.3950,
22.6699

209.1007,
225.7448, 279.0917

■ 8.0149, 9.0971,
14.1470

■ 32.2028, 35.5447,
48.7670

■ 4.1564, 4.8046,
8.0830

■ 45.6874, 50.1652,
67.1783

■ 1.7910, 2.1330,
4.0596

■ 62.4920, 68.3287,
89.7228

■ 0.5122, 0.6831,
1.6581

■ 82.9817, 90.4195,
116.8189

■ 0.0000, 0.0000,
0.3318

■ 107.5222,
116.8222, 148.8854

■ 0.0000, 0.0000,
0.0000

136.4786,

147.9210, 186.3406

170.2163,
184.1004, 229.6032

■ 13.7319, 15.3950,
22.6699

■ 13.7319, 15.3950,
22.6699

■ 12.1323, 13.8151,
22.4495

■ 15.5714, 17.1394,
22.9099

■ 10.7595, 12.3911,
22.2470

■ 17.6601, 19.0524,
23.1691

■ 9.6013, 11.1166,
22.0621

■ 20.0085, 21.1406,
23.4484

■ 8.6439, 9.9838,
21.8939

■ 22.6262, 23.4093,
23.7483

■ 7.8713, 8.9839,
21.7416

■ 25.5221, 25.8637,
24.0694

■ 7.2652, 8.1066,
21.6042

■ 28.7048, 28.5088,
24.4122

■ 6.8517, 7.4693,
21.5030

■ 32.1825, 31.3493,
24.7772

■ 35.9631, 34.3899,
25.1648

■ 40.0541, 37.6348,
25.5755

Harmonies

Analogous

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



12.9735, 15.3950, 20.2765



13.7319, 15.3950, 22.6699



14.7659, 15.3950, 23.4163

Triad

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



13.7319, 15.3950, 22.6699



16.8014, 15.3950, 16.3846



13.5123, 15.3950, 12.2895

Complementary

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



13.7319, 15.3950, 22.6699



15.3740, 14.7803, 11.0598

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.



14.4999, 15.3950, 11.5062



13.7319, 15.3950, 22.6699



16.4272, 15.3950, 13.6800

Square

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



13.7319, 15.3950, 22.6699



16.5713, 15.3950, 19.5369



15.5716, 15.3950, 11.9824



12.8512, 15.3950, 14.2641

Rectangle

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



13.7319, 15.3950, 22.6699



15.4812, 15.3950, 22.8121



15.5716, 15.3950, 11.9824



13.8153, 15.3950, 11.8899

Sweetspot

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



13.7324, 15.3956, 22.6703



31.8029, 34.1830, 40.8781



14.0162, 18.4114, 15.2175



7.3363, 7.9047, 9.5574



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.



13.7324, 15.3956, 22.6703



22.2053, 25.1711, 39.6444



11.7547, 11.4402, 22.0110



4.3183, 4.6305, 5.4795



6.7952, 7.4089, 21.3219



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.2913, 12.5983, 17.2492



25.4363, 19.7081, 28.3342



17.5639, 19.1599, 11.7898



4.4335, 4.3865, 5.0871



10.3069, 5.1424, 8.2058



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.7319, 15.3950, 22.6699 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 13.7319, 15.3950, 22.6699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

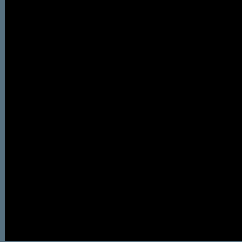
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7319, 15.3950, 22.6699

Background



This preview shows how black text looks on a background with the XYZ color 13.7319, 15.3950, 22.6699.



This preview shows how white text looks on a background with the XYZ color 13.7319, 15.3950,

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

13.7319, 15.3950, 22.6699

Protanopia

15.0081, 15.2700, 21.5584

Deuteranopia

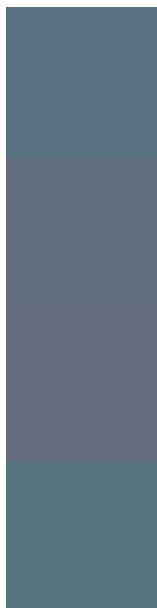
15.6506, 15.4154, 22.9195



Tritanopia

13.4302, 15.4431, 21.0119

Trichromacy



Original Color

13.7319, 15.3950, 22.6699

Protanomaly

14.4874, 15.3109, 21.9304

Deuteranomaly

14.9106, 15.3470, 22.9453

Tritanomaly

13.5567, 15.4937, 21.6781

Monochromacy



Original Color

13.7319, 15.3950, 22.6699

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8187, 14.8844, 18.3643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7319, 15.3950, 22.6699 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(87, 113, 128)` looks like.

```
.text, #text, p{  
    color:rgb(87, 113, 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(87, 113, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.7319, 15.3950, 22.6699 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(87, 113, 128) }
```


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

```
.border{ border-color:rgb(87, 113, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 113, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7319, 15.3950, 22.6699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 128) }
```

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

```
.background{ background-color: rgb(87, 113,  
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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