

Converting Colors

XYZ(13.6808, 15.3532, 21.3811)

Have a look what the booklet for
XYZ(13.6808, 15.3532, 21.3811)
contains.

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Color

**XYZ(13.6630, 15.3893,
21.3191)**

Conversions

Conversions Part 1

Format	Color
Hex	59717C
RGB	89, 113, 124
RGB Percent	35%, 44%, 49%
CMY	0.6510, 0.5569, 0.5137
CMYK	0.28, 0.09, 0.00, 0.51
HSL	199°, 16%, 42%
HSV	199°, 28%, 49%
XYZ	13.6630, 15.3893, 21.3191
YIQ	107.0780, -17.8350, -1.6670

Conversions

Conversions Part 2

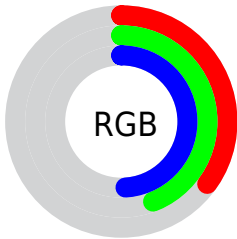
Format	Color
R_{YB}	89, 103, 124
Decimal	5861756
CIE Lab	46.16, -6.02, -8.96
CIE LCh	46, 10.794, 236.095
Yxy	15.3893, 0.2712, 0.3055
Android (android.graphics.Color)	4284051836 (0xFF59717C)
YUV	107.0780, 8.3425, -15.8544
Hunter-Lab	39.2292, -6.4820, -4.7607

Details

The XYZ color **13.6630, 15.3893, 21.3191** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6727, 14.1208, 11.4037**, and the grayscale version is **13.9782, 14.7062, 16.0150**.

A 20% lighter version of the original color is **32.2062, 35.6600, 46.7806**, and **4.1151, 4.7808, 7.3625** is the 20% darker color. If you saturate the color by 10%, you get **12.1465, 13.9763, 21.1265**, and if you desaturate by 10%, it is **15.3995, 16.9442, 21.5280**.

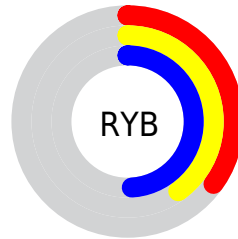
Distribution



Red (35%)

Green (44%)

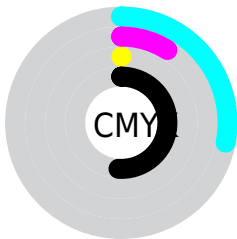
Blue (49%)



Red (35%)

Yellow (40%)

Blue (49%)

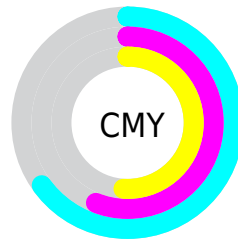


Cyan (28%)

Magenta (9%)

Yellow (0%)

Black (51%)



Cyan (65%)

Magenta (56%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6630, 15.3893, 21.3191 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 13.6630, 15.3893, 21.3191 by changing the saturation by 10% instead.

■ 13.6630, 15.3893,
21.3191

■ 13.6630, 15.3893,
21.3191

208.6770,
225.7106, 271.8060

■ 7.9668, 9.0931,
13.1639

■ 32.0811, 35.5347,
46.5057

■ 4.1253, 4.8019,
7.4095

■ 45.5338, 50.1526,
64.3742

■ 1.7733, 2.1315,
3.6372

■ 62.3026, 68.3133,
86.3175

■ 0.5015, 0.6823,
1.4285

■ 82.7530, 90.4010,
112.7543

■ 0.0000, 0.0000,
0.1638

■ 107.2503,
116.8002, 144.1029

■ 0.0000, 0.0000,
0.0000

136.1598,

147.8953, 180.7821

169.8469,
184.0706, 223.2103

■ 13.6630, 15.3893,
21.3191

■ 13.6630, 15.3893,
21.3191

■ 12.1465, 13.9763,
21.1265

■ 15.3995, 16.9442,
21.5280

■ 10.8385, 12.6977,
20.9487

■ 17.3643, 18.6445,
21.7526

■ 9.7281, 11.5481,
20.7853

■ 19.5668, 20.4957,
21.9938

■ 8.8033, 10.5208,
20.6358

■ 22.0154, 22.5025,
22.2521

■ 8.0502, 9.6083,
20.4993

■ 24.7183, 24.6693,
22.5279

■ 7.4531, 8.8022,
20.3752

■ 27.6829, 27.0005,
22.8216

■ 6.9716, 8.0812,
20.2614

■ 30.9168, 29.5002,
23.1337

■ 6.8893, 7.9575,
20.2419

■ 34.4269, 32.1722,
23.4644

■ 38.2200, 35.0203,
23.8142

Harmonies

Analogous

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



13.0963, 15.3893, 19.0833



13.6630, 15.3893, 21.3191



14.5070, 15.3893, 22.3317

Triad

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



13.6630, 15.3893, 21.3191



16.4625, 15.3893, 17.1035



13.8632, 15.3893, 12.6086

Complementary

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



13.6630, 15.3893, 21.3191



14.6727, 14.1208, 11.4037

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.



14.7478, 15.3893, 12.1960



13.6630, 15.3893, 21.3191



16.2727, 15.3893, 14.6267

Square

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



13.6630, 15.3893, 21.3191



16.1438, 15.3893, 19.7420



15.6355, 15.3893, 12.8960



13.2084, 15.3893, 14.0880

Rectangle

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



13.6630, 15.3893, 21.3191



15.1226, 15.3893, 22.1063



15.6355, 15.3893, 12.8960



14.1425, 15.3893, 12.3477

Sweetspot

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



13.6635, 15.3899, 21.3195



30.5697, 32.8206, 38.2804



13.6039, 17.4499, 14.5816



7.0875, 7.6340, 9.0030



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.



13.6635, 15.3899, 21.3195



22.2450, 25.4178, 37.2903



11.9411, 11.9451, 20.7453



4.0059, 4.3100, 5.0640



7.0011, 8.0847, 20.5768



32.6082, 36.9891, 97.8908

Inverse Universe

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



14.8655, 12.6224, 17.2763



24.7793, 19.8527, 28.7057



16.4769, 17.7292, 12.0051



4.1034, 4.0571, 4.7422



10.1172, 5.0230, 9.1739



47.8623, 23.8013, 41.6664

Previews

White Background



This preview shows how the XYZ color 13.6630, 15.3893, 21.3191 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 13.6630, 15.3893, 21.3191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

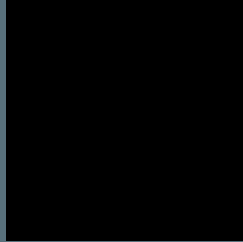
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6630, 15.3893, 21.3191

Background



This preview shows how black text looks on a background with the XYZ color 13.6630, 15.3893, 21.3191.



This preview shows how white text looks on a background with the XYZ color 13.6630, 15.3893,

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

13.6630, 15.3893, 21.3191

Protanopia

14.8772, 15.2314, 20.2450

Deuteranopia

15.5378, 15.2335, 21.5235



Tritanopia

13.5378, 15.3392, 20.6596

Trichromacy



Original Color

13.6630, 15.3893, 21.3191

Protanomaly

14.3443, 15.2663, 20.6030

Deuteranomaly

14.8792, 15.3610, 21.5828

Tritanomaly

13.6001, 15.3642, 20.9877

Monochromacy



Original Color

13.6630, 15.3893, 21.3191

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7048, 14.8389, 17.7646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6630, 15.3893, 21.3191 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(89, 113, 124) looks like.

```
.text, #text, p{  
    color:rgb(89, 113, 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(89, 113, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 113, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.6630, 15.3893, 21.3191 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(89, 113, 124) }
```


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

```
.border{ border-color:rgb(89, 113, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 113, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 113, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 113, 124);  
box-shadow:4px 4px 4px 4px rgb(89, 113,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6630, 15.3893, 21.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 113, 124) }
```

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

```
.background{ background-color: rgb(89, 113,  
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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