

Converting Colors

XYZ(13.6559, 13.1048, 11.8272)

Have a look what the booklet for
XYZ(13.6559, 13.1048, 11.8272)
contains.

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Color

**XYZ(13.6777, 13.1736,
11.9471)**

Conversions

Conversions Part 1

Format	Color
Hex	76615C
RGB	118, 97, 92
RGB Percent	46%, 38%, 36%
CMY	0.5373, 0.6196, 0.6392
CMYK	0.00, 0.18, 0.22, 0.54
HSL	12°, 12%, 41%
HSV	12°, 22%, 46%
XYZ	13.6777, 13.1736, 11.9471
YIQ	102.7090, 14.1210, 2.8970

Conversions

Conversions Part 2

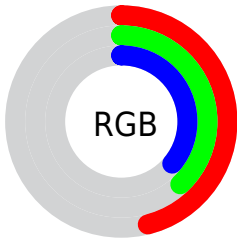
Format	Color
R_{YB}	118, 98, 92
Decimal	7758172
CIE _{Lab}	43.02, 7.60, 6.02
CIE _{LCh}	43, 9.696, 38.353
Yxy	13.1736, 0.3525, 0.3395
Android (android.graphics.Color)	4285948252 (0xFF76615C)
YUV	102.7090, -5.2795, 13.4102
Hunter-Lab	36.2955, 3.7495, 5.8908

Details

The XYZ color **13.6777, 13.1736, 11.9471** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5888, 15.3934, 19.3948**, and the grayscale version is **12.8264, 13.4944, 14.6954**.

A 20% lighter version of the original color is **32.0500, 31.6789, 30.0166**, and **4.1312, 3.8301, 3.1063** is the 20% darker color. If you saturate the color by 10%, you get **12.3733, 11.3269, 9.1625**, and if you desaturate by 10%, it is **15.1690, 15.2652, 15.1907**.

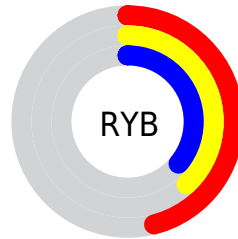
Distribution



Red (46%)

Green (38%)

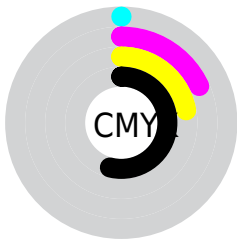
Blue (36%)



Red (46%)

Yellow (38%)

Blue (36%)

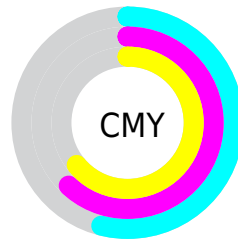


Cyan (0%)

Magenta (18%)

Yellow (22%)

Black (54%)



Cyan (54%)

Magenta (62%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6777, 13.1736, 11.9471 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 13.6777, 13.1736, 11.9471 by changing the saturation by 10% instead.

■ 13.6777, 13.1736,
11.9471

■ 13.6777, 13.1736,
11.9471

208.7675,
212.0273, 215.0202

■ 7.9770, 7.5482,
6.5856

■ 32.1071, 31.6153,
30.0617

■ 4.1319, 3.8072,
3.1298

■ 45.5666, 45.2004,
43.6518

■ 1.7770, 1.5663,
1.1613

■ 62.3430, 62.2075,
60.8219

■ 0.5038, 0.3347,
0.0000

■ 82.8018, 83.0211,
81.9904

■ 0.0000, 0.0000,
0.0000

107.3083,
108.0254, 107.5760

136.2278,

137.6050, 137.9971

169.9258,
172.1441, 173.6724

■ 13.6777, 13.1736,
11.9471

■ 13.6777, 13.1736,
11.9471

■ 12.3733, 11.3269,
9.1625

■ 15.1690, 15.2652,
15.1907

■ 11.2473, 9.7145,
6.8155

■ 16.8532, 17.6085,
18.9121

■ 10.2921, 8.3274,
4.8838

■ 18.7372, 20.2121,
23.1298

■ 9.4991, 7.1554,
3.3430

■ 20.8273, 23.0838,
27.8611

■ 8.8590, 6.1876,
2.1663

■ 23.1297, 26.2308,
33.1227

■ 8.3614, 5.4121,
1.3232

■ 25.6502, 29.6604,
38.9302

■ 7.9945, 4.8156,
0.7781

■ 28.3942, 33.3793,
45.2988

■ 7.7718, 4.4526,
0.4498

■ 31.3672, 37.3942,
52.2430

■ 34.5743, 41.7115,
59.7769

Harmonies

Analogous

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



13.9917, 13.1736, 13.7564



13.6777, 13.1736, 11.9471



13.0567, 13.1736, 10.8604

Triad

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



13.6777, 13.1736, 11.9471



11.2370, 13.1736, 12.8839



12.7302, 13.1736, 18.7949

Complementary

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



13.6777, 13.1736, 11.9471



13.5888, 15.3934, 19.3948

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.



12.0004, 13.1736, 18.5023



13.6777, 13.1736, 11.9471



11.1574, 13.1736, 14.9477

Square

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



13.6777, 13.1736, 11.9471



11.6536, 13.1736, 11.3628



11.4316, 13.1736, 17.0414



13.4306, 13.1736, 17.8054

Rectangle

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



13.6777, 13.1736, 11.9471



12.5623, 13.1736, 10.6233



11.4316, 13.1736, 17.0414



12.4800, 13.1736, 18.8450

Sweetspot

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



13.6781, 13.1742, 11.9474



28.0676, 28.7868, 29.7826



14.2924, 12.7036, 17.3907



6.4268, 6.5818, 6.7891



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6781, 13.1742, 11.9474



22.9518, 21.6134, 18.6499



14.9540, 15.7261, 12.3727



3.7358, 3.8045, 3.8797



8.4002, 4.8016, 0.4841



40.4485, 22.4256, 2.1967

Inverse Universe

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



13.5888, 15.3934, 19.3948



22.7667, 26.1823, 33.9908



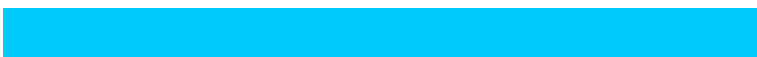
12.2634, 12.7427, 18.9530



3.7263, 4.0413, 4.6739



7.9856, 10.3110, 20.1119



38.3192, 49.0549, 97.8092

Previews

White Background



This preview shows how the XYZ color 13.6777, 13.1736, 11.9471 looks on a white background.

Color Contrast Check

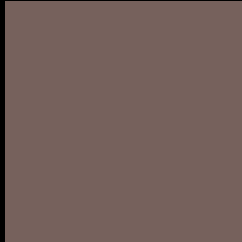
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6777, 13.1736, 11.9471 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 13.6777, 13.1736, 11.9471

Background



This preview shows how black text looks on a background with the XYZ color 13.6777, 13.1736, 11.9471.



This preview shows how white text looks on a background with the XYZ color 13.6777, 13.1736,

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

13.6777, 13.1736, 11.9471

Protanopia

12.4998, 13.1188, 12.4630

Deuteranopia

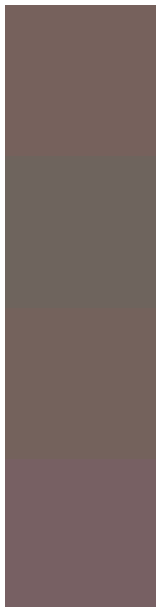
13.3697, 13.1529, 11.9593



Tritanopia

14.1481, 13.0856, 14.6121

Trichromacy



Original Color

13.6777, 13.1736, 11.9471

Protanomaly

12.9634, 13.2197, 12.2243

Deuteranomaly

13.5019, 13.2211, 11.9655

Tritanomaly

14.0428, 13.1885, 13.6099

Monochromacy



Original Color

13.6777, 13.1736, 11.9471

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0902, 13.3964, 13.7002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6777, 13.1736, 11.9471 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(118, 97, 92)` looks like.

```
.text, #text, p{  
    color:rgb(118, 97, 92)  
}
```

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(118, 97, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 97, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.6777, 13.1736, 11.9471 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(118, 97, 92) }
```


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

```
.border{ border-color:rgb(118, 97, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 97, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 97, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 97, 92);  
box-shadow:4px 4px 4px 4px rgb(118, 97,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6777, 13.1736, 11.9471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 97, 92) }
```

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

```
.background{ background-color: rgb(118, 97,  
92) }
```

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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