

Converting Colors

XYZ(12.2426, 12.3794, 17.2336)

Have a look what the booklet for
XYZ(12.2426, 12.3794, 17.2336)
contains.

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Color

**XYZ(12.1851, 12.2830,
17.3514)**

Conversions

Conversions Part 1

Format	Color
Hex	616171
RGB	97, 97, 113
RGB Percent	38%, 38%, 44%
CMY	0.6196, 0.6196, 0.5569
CMYK	0.14, 0.14, 0.00, 0.56
HSL	240°, 8%, 41%
HSV	240°, 14%, 44%
XYZ	12.1851, 12.2830, 17.3514
YIQ	98.8240, -5.1360, 4.9760

Conversions

Conversions Part 2

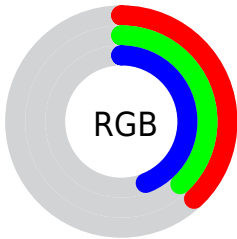
Format	Color
R_{YB}	97, 97, 113
Decimal	6381937
CIE Lab	41.66, 3.57, -9.01
CIE LCh	42, 9.695, 291.613
Yxy	12.2830, 0.2914, 0.2937
Android (android.graphics.Color)	4284572017 (0xFF616171)
YUV	98.8240, 6.9888, -1.5996
Hunter-Lab	35.0471, 0.7280, -4.8208

Details

The XYZ color **12.1851, 12.2830, 17.3514** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8730, 16.1841, 13.6495**, and the grayscale version is **11.7996, 12.4141, 13.5190**.

A 20% lighter version of the original color is **29.5942, 30.1923, 39.8652**, and **3.4534, 3.4274, 5.4806** is the 20% darker color. If you saturate the color by 10%, you get **10.0951, 9.7647, 16.9757**, and if you desaturate by 10%, it is **14.5962, 15.1882, 17.7853**.

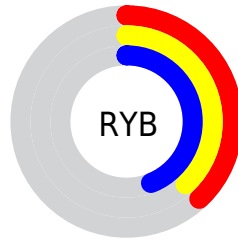
Distribution



Red (38%)

Green (38%)

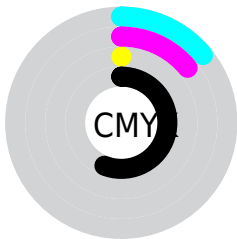
Blue (44%)



Red (38%)

Yellow (38%)

Blue (44%)

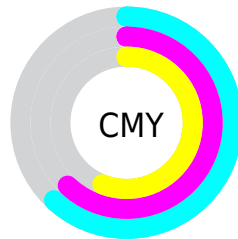


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (56%)



Cyan (62%)

Magenta (62%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1851, 12.2830, 17.3514 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 12.1851, 12.2830, 17.3514 by changing the saturation by 10% instead.

■ 12.1851, 12.2830,
17.3514

■ 12.1851, 12.2830,
17.3514

199.3719,
206.2699, 249.3015

■ 6.9430, 6.9367,
10.3207

■ 29.4457, 30.0095,
39.7279

■ 3.4725, 3.4226,
5.5038

■ 42.1949, 43.1585,
55.9108

■ 1.4083, 1.3561,
2.4819

■ 58.1772, 59.6772,
75.9815

■ 0.2621, 0.1840,
0.8305

■ 77.7578, 79.9500,
100.3586

■ 0.0000, 0.0000,
0.0000

101.3023,
104.3613, 129.4606

129.1759,

133.2954, 163.7061

161.7440,
167.1368, 203.5135

■ 12.1851, 12.2830,
17.3514

■ 12.1851, 12.2830,
17.3514

■ 10.0951, 9.7647,
16.9757

■ 14.5962, 15.1882,
17.7853

■ 8.3115, 7.6156,
16.6549

■ 17.3398, 18.4941,
18.2788

■ 6.8203, 5.8189,
16.3866

■ 20.4285, 22.2157,
18.8343

■ 5.6059, 4.3556,
16.1682

■ 23.8735, 26.3666,
19.4540

■ 4.6513, 3.2053,
15.9965

■ 27.6857, 30.9599,
20.1396

■ 3.9375, 2.3452,
15.8681

■ 31.8755, 36.0083,
20.8932

■ 3.4431, 1.7495,
15.7792

■ 36.4529, 41.5237,
21.7166

■ 3.1350, 1.3783,
15.7238

■ 41.4276, 47.5178,
22.6113

■ 2.9807, 1.1924,
15.6960

■ 46.8088, 54.0016,
23.5792

Harmonies

Analogous

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



11.4765, 12.2830, 17.6303



12.1851, 12.2830, 17.3514



12.7786, 12.2830, 15.9538

Triad

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



12.1851, 12.2830, 17.3514



12.5437, 12.2830, 10.5357



10.3745, 12.2830, 12.8115

Complementary

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



12.1851, 12.2830, 17.3514



14.8730, 16.1841, 13.6495

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.



10.6362, 12.2830, 11.0886



12.1851, 12.2830, 17.3514



11.8750, 12.2830, 9.8647

Square

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



12.1851, 12.2830, 17.3514



12.9914, 12.2830, 11.9841



11.1786, 12.2830, 10.0564



10.4500, 12.2830, 14.8676

Rectangle

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



12.1851, 12.2830, 17.3514



13.0196, 12.2830, 14.6466



11.1786, 12.2830, 10.0564



10.4256, 12.2830, 12.1775

Sweetspot

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



12.1855, 12.2835, 17.3517



26.1606, 27.2256, 31.8518



13.8008, 15.5381, 17.8161



5.9844, 6.2172, 7.3544



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1855, 12.2835, 17.3517



20.5240, 20.4340, 30.8379



13.0500, 12.7291, 17.3921



3.2176, 3.3005, 4.2217



3.3811, 1.3525, 17.8045



16.8427, 6.7373, 88.6918

Inverse Universe

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



13.2427, 12.9235, 13.1063



22.8075, 21.8163, 21.6685



13.9201, 15.6930, 13.6050



3.3845, 3.4015, 3.5515



7.7250, 3.9824, 0.3617



38.4814, 19.8379, 1.8012

Previews

White Background



This preview shows how the XYZ color 12.1851, 12.2830, 17.3514 looks on a white background.

Color Contrast Check

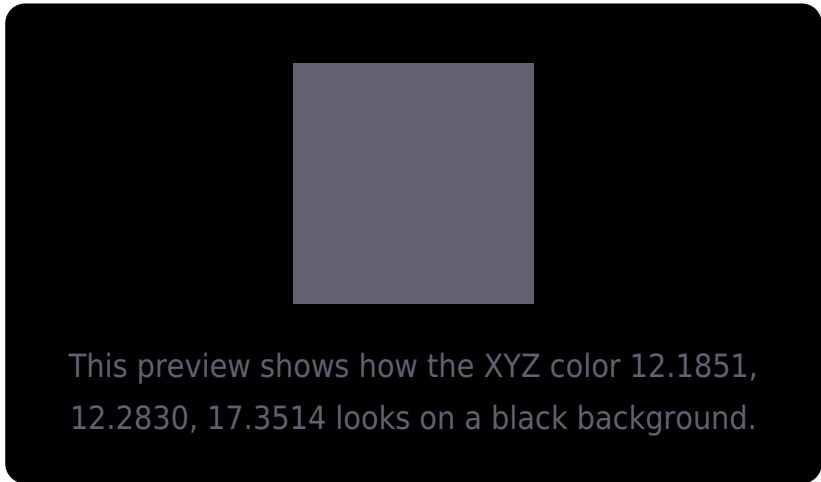
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.1851, 12.2830, 17.3514

Background



This preview shows how black text looks on a background with the XYZ color 12.1851, 12.2830, 17.3514.

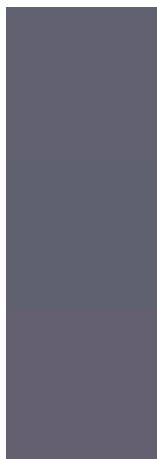


This preview shows how white text looks on a background with the XYZ color 12.1851, 12.2830,

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

12.1851, 12.2830, 17.3514

Protanopia

11.9746, 12.1745, 17.3416

Deuteranopia

12.5303, 12.3247, 17.3413



Tritanopia

11.7931, 12.2628, 15.3811

Trichromacy



Original Color

12.1851, 12.2830, 17.3514

Protanomaly

12.0792, 12.2284, 17.3465

Deuteranomaly

12.4190, 12.2673, 17.3361

Tritanomaly

11.9519, 12.3263, 16.2173

Monochromacy



Original Color

12.1851, 12.2830, 17.3514

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9034, 12.3315, 14.8495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1851, 12.2830, 17.3514 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(97, 97, 113)` looks like.

```
.text, #text, p{  
    color:rgb(97, 97, 113)  
}
```

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(97, 97, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 97, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.1851, 12.2830, 17.3514 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(97, 97, 113) }
```


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

```
.border{ border-color:rgb(97, 97, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 97, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 97, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 97, 113);  
box-shadow:4px 4px 4px 4px rgb(97, 97,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1851, 12.2830, 17.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 97, 113) }
```

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

```
.background{ background-color: rgb(97, 97,  
113) }
```

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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