

Converting Colors

XYZ(12.7973, 13.0048, 18.0553)

Have a look what the booklet for
XYZ(12.7973, 13.0048, 18.0553)
contains.

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Color

**XYZ(12.7973, 13.0048,
18.0553)**

Conversions

Conversions Part 1

Format	Color
Hex	636473
RGB	99, 100, 115
RGB Percent	39%, 39%, 45%
CMY	0.6118, 0.6078, 0.5490
CMYK	0.14, 0.13, 0.00, 0.55
HSL	236°, 7%, 42%
HSV	236°, 14%, 45%
XYZ	12.7973, 13.0048, 18.0553
YIQ	101.4110, -5.4110, 4.4530

Conversions

Conversions Part 2

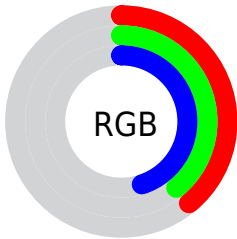
Format	Color
R_{YB}	99, 100, 115
Decimal	6513779
CIE _{Lab}	42.77, 2.95, -8.55
CIE _{LCh}	43, 9.044, 289.026
Yxy	13.0048, 0.2918, 0.2965
Android (android.graphics.Color)	4284703859 (0xFF636473)
YUV	101.4110, 6.6994, -2.1144
Hunter-Lab	36.0622, 0.2351, -4.4413

Details

The XYZ color **12.7973, 13.0048, 18.0553** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3398, 16.5803, 14.1966**, and the grayscale version is **12.4605, 13.1094, 14.2761**.

A 20% lighter version of the original color is **30.6193, 31.4073, 41.0076**, and **3.7024, 3.6815, 5.8257** is the 20% darker color. If you saturate the color by 10%, you get **10.6629, 10.4700, 17.6787**, and if you desaturate by 10%, it is **15.2483, 15.9067, 18.4864**.

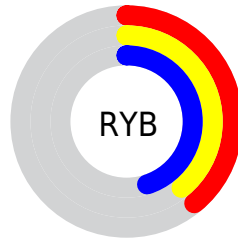
Distribution



Red (39%)

Green (39%)

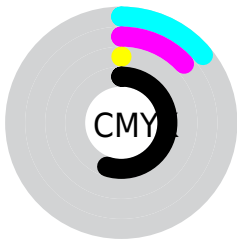
Blue (45%)



Red (39%)

Yellow (39%)

Blue (45%)

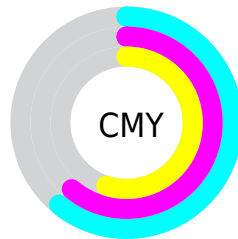


Cyan (14%)

Magenta (13%)

Yellow (0%)

Black (55%)



Cyan (61%)

Magenta (61%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7973, 13.0048, 18.0553 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 12.7973, 13.0048, 18.0553 by changing the saturation by 10% instead.

■ 12.7973, 13.0048,
18.0553

■ 12.7973, 13.0048,
18.0553

203.2784,
210.9484, 253.4291

■ 7.3651, 7.4319,
10.8198

■ 30.5436, 31.3124,
40.9467

■ 3.7398, 3.7336,
5.8332

■ 43.5884, 44.8159,
57.4398

■ 1.5560, 1.5257,
2.6768

■ 59.9015, 61.7316,
77.8558

■ 0.3635, 0.3067,
0.9317

■ 79.8482, 82.4440,
102.6133

■ 0.0000, 0.0000,
0.0000

103.7939,
107.3375, 132.1309

132.1039,

136.7965, 166.8270

165.1437,
171.2053, 207.1202

■ 12.7973, 13.0048,
18.0553

■ 12.7973, 13.0048,
18.0553

■ 10.6629, 10.4700,
17.6787

■ 15.2483, 15.9067,
18.4864

■ 8.8310, 8.2860,
17.3537

■ 18.0269, 19.1877,
18.9733

■ 7.2883, 6.4380,
17.0783

■ 21.1448, 22.8614,
19.5181

■ 6.0200, 4.9091,
16.8501

■ 24.6131, 26.9402,
20.1225

■ 5.0100, 3.6813,
16.6663

■ 28.4422, 31.4360,
20.7885

■ 4.2404, 2.7347,
16.5242

■ 32.6420, 36.3601,
21.5176

■ 3.6913, 2.0470,
16.4204

■ 37.2222, 41.7235,
22.3114

■ 3.3360, 1.5906,
16.3510

■ 42.1920, 47.5367,
23.1716

■ 3.1726, 1.3940,
16.3217

■ 47.5604, 53.8098,
24.0995

Harmonies

Analogous

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



12.1104, 13.0048, 18.2178



12.7973, 13.0048, 18.0553



13.3874, 13.0048, 16.7945

Triad

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



12.7973, 13.0048, 18.0553



13.2492, 13.0048, 11.4860



11.1060, 13.0048, 13.4505

Complementary

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



12.7973, 13.0048, 18.0553



15.3398, 16.5803, 14.1966

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.



11.3878, 13.0048, 11.8166



12.7973, 13.0048, 18.0553



12.6144, 13.0048, 10.7545

Square

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



12.7973, 13.0048, 18.0553



13.6549, 13.0048, 12.9596



11.9341, 13.0048, 10.8696



11.1509, 13.0048, 15.4324

Rectangle

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



12.7973, 13.0048, 18.0553



13.6385, 13.0048, 15.5610



11.9341, 13.0048, 10.8696



11.1653, 13.0048, 12.8458

Sweetspot

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



12.7977, 13.0053, 18.0556



27.2147, 28.3771, 33.0875



14.3101, 16.1277, 18.2586



6.4220, 6.6864, 7.8811



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.



12.7977, 13.0053, 18.0556



21.5019, 21.6101, 32.0824



13.4926, 13.2219, 18.0608



3.5173, 3.6233, 4.6042



3.6208, 1.5813, 18.6569



17.4195, 7.2557, 90.8427

Inverse Universe

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



13.8326, 13.4890, 13.9318



23.7748, 22.6806, 23.0240



14.5756, 16.3549, 14.1933



3.6924, 3.7042, 3.9069



8.1247, 4.1836, 0.5992



39.4793, 20.3418, 2.3215

Previews

White Background



This preview shows how the XYZ color 12.7973, 13.0048, 18.0553 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 12.7973, 13.0048, 18.0553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

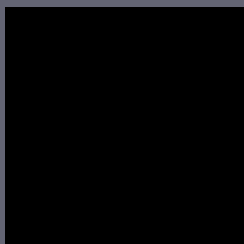
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

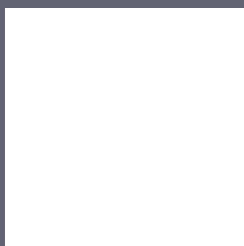
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7973, 13.0048, 18.0553

Background



This preview shows how black text looks on a background with the XYZ color 12.7973, 13.0048, 18.0553.



This preview shows how white text looks on a background with the XYZ color 12.7973, 13.0048,

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

12.7973, 13.0048, 18.0553

Protanopia

12.6887, 12.9488, 18.0503

Deuteranopia

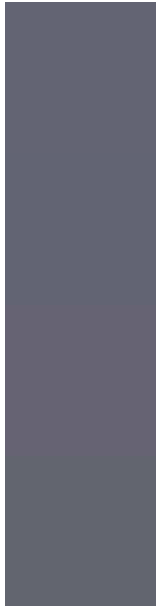
13.1711, 12.9162, 18.0185



Tritanopia

12.4510, 13.0082, 16.3226

Trichromacy



Original Color

12.7973, 13.0048, 18.0553

Protanomaly

12.6887, 12.9488, 18.0503

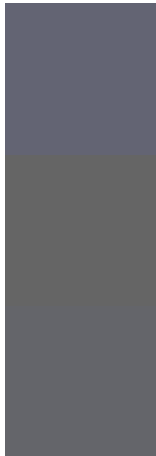
Deuteranomaly

13.0358, 12.9863, 18.0392

Tritanomaly

12.5599, 13.0517, 16.8962

Monochromacy



Original Color

12.7973, 13.0048, 18.0553

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5107, 13.0573, 15.4966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7973, 13.0048, 18.0553 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(99, 100, 115) looks like.

```
.text, #text, p{  
    color:rgb(99, 100, 115)  
}
```

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(99, 100, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 100, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.7973, 13.0048, 18.0553 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(99, 100, 115) }
```


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

```
.border{ border-color:rgb(99, 100, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 100, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 100, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 100, 115);  
box-shadow:4px 4px 4px 4px rgb(99, 100,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7973, 13.0048, 18.0553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 100, 115) }
```

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

```
.background{ background-color: rgb(99, 100,  
115) }
```

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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