

Converting Colors

XYZ(12.6513, 13.3814, 13.9999)

Have a look what the booklet for
XYZ(12.6513, 13.3814, 13.9999)
contains.

XYZ(12.6451, 13.3064, 13.9585)	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(12.6451, 13.3064,
13.9585)**

Conversions

Conversions Part 1

Format	Color
Hex	676664
RGB	103, 102, 100
RGB Percent	40%, 40%, 39%
CMY	0.5961, 0.6000, 0.6078
CMYK	0.00, 0.01, 0.03, 0.60
HSL	40°, 1%, 40%
HSV	40°, 3%, 40%
XYZ	12.6451, 13.3064, 13.9585
YIQ	102.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

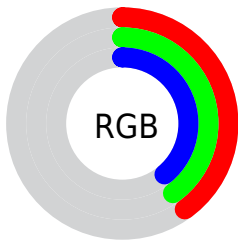
Format	Color
R_{YB}	102, 103, 100
Decimal	6776420
CIE Lab	43.22, -0.02, 1.26
CIE LCh	43, 1.260, 90.683
Yxy	13.3064, 0.3168, 0.3334
Android (android.graphics.Color)	4284966500 (0xFF676664)
YUV	102.0710, -1.0210, 0.8147
Hunter-Lab	36.4779, -1.9593, 2.8469

Details

The XYZ color **12.6451, 13.3064, 13.9585** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3573, 12.9957, 14.6891**, and the grayscale version is **12.6505, 13.3093, 14.4938**.

A 20% lighter version of the original color is **30.3036, 31.8869, 33.8358**, and **3.6397, 3.8302, 3.9156** is the 20% darker color. If you saturate the color by 10%, you get **11.8482, 12.4605, 11.3868**, and if you desaturate by 10%, it is **13.5197, 14.2065, 16.8674**.

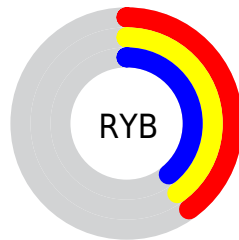
Distribution



Red (40%)

Green (40%)

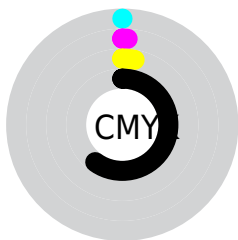
Blue (39%)



Red (40%)

Yellow (40%)

Blue (39%)

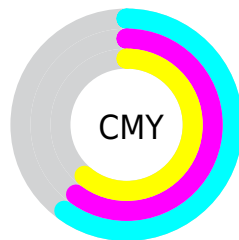


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6451, 13.3064, 13.9585 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 12.6451, 13.3064, 13.9585 by changing the saturation by 10% instead.

■ 12.6451, 13.3064,
13.9585

■ 12.6451, 13.3064,
13.9585

202.3144,
212.8721, 228.3920

■ 7.2599, 7.6399,
7.9534

■ 30.2715, 31.8532,
33.7314

■ 3.6730, 3.8654,
3.9778

■ 43.2434, 45.5022,
48.3363

■ 1.5188, 1.5985,
1.6132

■ 59.4749, 62.5808,
66.6449

■ 0.3386, 0.3566,
0.3002

■ 79.3314, 83.4735,
89.0757

■ 0.0000, 0.0000,
0.0000

103.1783,
108.5645, 116.0473

131.3808,

138.2384, 147.9782

164.3044,
172.8795, 185.2869

■ 12.6451, 13.3064,
13.9585

■ 12.6451, 13.3064,
13.9585

■ 11.8482, 12.4605,
11.3868

■ 13.5197, 14.2065,
16.8674

■ 11.1254, 11.6658,
9.1392

■ 14.4733, 15.1603,
20.1245

■ 10.4744, 10.9215,
7.2026

■ 15.5085, 16.1695,
23.7411

■ 9.8923, 10.2263,
5.5631

■ 16.6276, 17.2353,
27.7281

■ 9.3762, 9.5786,
4.2055

■ 17.8325, 18.3587,
32.0956

■ 8.9227, 8.9769,
3.1132

■ 19.1253, 19.5408,
36.8534

■ 8.5281, 8.4193,
2.2680

■ 20.5080, 20.7827,
42.0111

■ 8.1885, 7.9040,
1.6493

■ 21.9823, 22.0851,
47.5778

■ 7.8979, 7.4283,
1.2272

■ 23.5502, 23.4493,
53.5623

Harmonies

Analogous

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



12.7393, 13.3064, 14.0256



12.6451, 13.3064, 13.9585



12.5520, 13.3064, 14.0319

Triad

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



12.6451, 13.3064, 13.9585



12.4869, 13.3064, 14.7639



12.8114, 13.3064, 14.7527

Complementary

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



12.6451, 13.3064, 13.9585



12.3573, 12.9957, 14.6891

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.



12.7432, 13.3064, 14.9547



12.6451, 13.3064, 13.9585



12.5558, 13.3064, 14.9613

Square

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



12.6451, 13.3064, 13.9585



12.4609, 13.3064, 14.4948



12.6496, 13.3064, 15.0316



12.8356, 13.3064, 14.4820

Rectangle

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



12.6451, 13.3064, 13.9585



12.5029, 13.3064, 14.1511



12.6496, 13.3064, 15.0316



12.7928, 13.3064, 14.8310

Sweetspot

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



12.6455, 13.3070, 13.9588



22.9271, 24.1235, 25.9285



12.4998, 12.9377, 14.1505



5.5968, 5.8888, 6.3364



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.6455, 13.3070, 13.9588



22.6167, 23.8000, 24.9085



12.6869, 13.4748, 13.9890



3.0732, 3.2340, 3.3636



9.6626, 8.8783, 1.2044



49.5693, 44.6524, 6.0062

Inverse Universe

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



12.3573, 12.9957, 14.6891



22.0702, 23.2096, 26.2938



12.3165, 12.8317, 14.6597



2.9874, 3.1414, 3.5809



3.7784, 2.6286, 16.4526



18.9746, 12.2458, 85.5650

Previews

White Background



This preview shows how the XYZ color 12.6451, 13.3064, 13.9585 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 12.6451, 13.3064, 13.9585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

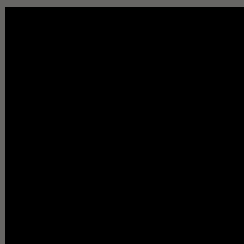
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

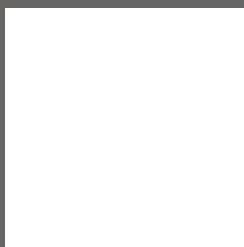
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6451, 13.3064, 13.9585

Background



This preview shows how black text looks on a background with the XYZ color 12.6451, 13.3064, 13.9585.



This preview shows how white text looks on a background with the XYZ color 12.6451, 13.3064,

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

12.6451, 13.3064, 13.9585

Protanopia

12.7605, 13.3659, 13.9639

Deuteranopia

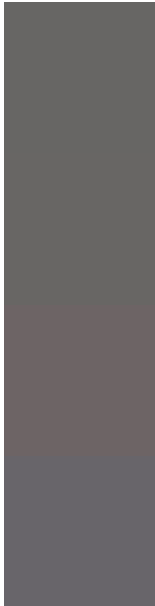
13.4929, 13.3080, 14.1695



Tritanopia

13.1229, 13.3545, 16.3540

Trichromacy



Original Color

12.6451, 13.3064, 13.9585

Protanomaly

12.7605, 13.3659, 13.9639

Deuteranomaly

13.2128, 13.3051, 14.1837

Tritanomaly

12.9641, 13.2910, 15.5178

Monochromacy



Original Color

12.6451, 13.3064, 13.9585

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5798, 13.2671, 14.2097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6451, 13.3064, 13.9585 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(103, 102, 100)` looks like.

```
.text, #text, p{  
    color:rgb(103, 102, 100)  
}
```

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(103, 102, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.6451, 13.3064, 13.9585 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(103, 102, 100) }
```


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

```
.border{ border-color:rgb(103, 102, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 102, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 102, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 102, 100);  
box-shadow:4px 4px 4px 4px rgb(103, 102,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6451, 13.3064, 13.9585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 102, 100) }
```

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

```
.background{ background-color: rgb(103,  
102, 100) }
```

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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