

Converting Colors

XYZ(12.3995, 12.4064, 16.7801)

Have a look what the booklet for
XYZ(12.3995, 12.4064, 16.7801)
contains.

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Color

**XYZ(12.3995, 12.4064,
16.7801)**

Conversions

Conversions Part 1

Format	Color
Hex	64616F
RGB	100, 97, 111
RGB Percent	39%, 38%, 44%
CMY	0.6078, 0.6196, 0.5647
CMYK	0.10, 0.13, 0.00, 0.56
HSL	253°, 7%, 41%
HSV	253°, 13%, 44%
XYZ	12.3995, 12.4064, 16.7801
YIQ	99.4930, -2.7060, 4.9900

Conversions

Conversions Part 2

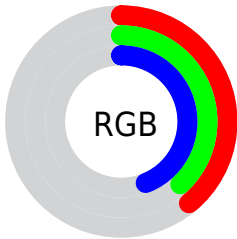
Format	Color
R_{YB}	100, 97, 111
Decimal	6578543
CIE Lab	41.85, 4.21, -7.48
CIE LCh	42, 8.583, 299.387
Yxy	12.4064, 0.2982, 0.2983
Android (android.graphics.Color)	4284768623 (0xFF64616F)
YUV	99.4930, 5.6730, 0.4446
Hunter-Lab	35.2227, 1.1978, -3.5898

Details

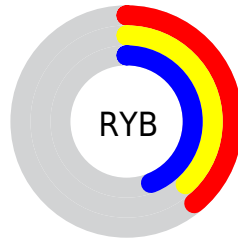
The XYZ color **12.3995, 12.4064, 16.7801** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0268, 15.4204, 13.5470**, and the grayscale version is **11.9711, 12.5946, 13.7155**.

A 20% lighter version of the original color is **29.9633, 30.4035, 38.9396**, and **3.5492, 3.4834, 5.1879** is the 20% darker color. If you saturate the color by 10%, you get **10.5313, 10.0261, 16.4193**, and if you desaturate by 10%, it is **14.5153, 15.1281, 17.1941**.

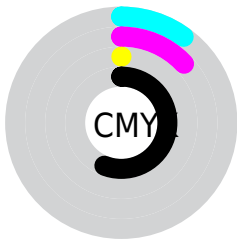
Distribution



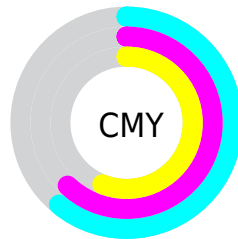
- Red (39%)
- Green (38%)
- Blue (44%)



- Red (39%)
- Yellow (38%)
- Blue (44%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3995, 12.4064, 16.7801 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 12.3995, 12.4064, 16.7801 by changing the saturation by 10% instead.

■ 12.3995, 12.4064,
16.7801

■ 12.3995, 12.4064,
16.7801

200.7488,
207.0775, 245.9029

■ 7.0905, 7.0211,
9.9175

■ 29.8312, 30.2331,
38.7328

■ 3.5656, 3.4753,
5.2394

■ 42.6847, 43.4434,
54.6599

■ 1.4594, 1.3846,
2.3272

■ 58.7836, 60.0307,
74.4457

■ 0.2980, 0.2053,
0.7464

■ 78.4935, 80.3795,
98.5087

■ 0.0000, 0.0000,
0.0000

102.1796,
104.8742, 127.2673

130.2073,

133.8992, 161.1402

162.9419,
167.8388, 200.5459

■ 12.3995, 12.4064,
16.7801

■ 12.3995, 12.4064,
16.7801

■ 10.5313, 10.0261,
16.4193

■ 14.5153, 15.1281,
17.1941

■ 8.9003, 7.9720,
16.1088

■ 16.8863, 18.2024,
17.6626

■ 7.4973, 6.2303,
15.8466

■ 19.5211, 21.6419,
18.1876

■ 6.3118, 4.7855,
15.6302

■ 22.4275, 25.4581,
18.7710

■ 5.3326, 3.6206,
15.4569

■ 25.6130, 29.6620,
19.4145

■ 4.5472, 2.7171,
15.3239

■ 29.0850, 34.2642,
20.1199

■ 3.9420, 2.0541,
15.2278

■ 32.8504, 39.2748,
20.8885

■ 3.5004, 1.6052,
15.1645

■ 36.9160, 44.7037,
21.7221

■ 3.2408, 1.3392,
15.1268

■ 41.2882, 50.5602,
22.6221

Harmonies

Analogous

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



11.7789, 12.4064, 17.3037



12.3995, 12.4064, 16.7801



12.8711, 12.4064, 15.3630

Triad

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



12.3995, 12.4064, 16.7801



12.4228, 12.4064, 10.7243



10.6159, 12.4064, 13.4712

Complementary

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



12.3995, 12.4064, 16.7801



14.0268, 15.4204, 13.5470

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.



10.7748, 12.4064, 11.8095



12.3995, 12.4064, 16.7801



11.8049, 12.4064, 10.3132

Square

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



12.3995, 12.4064, 16.7801



12.8849, 12.4064, 11.8687



11.2045, 12.4064, 10.6924



10.7626, 12.4064, 15.2927

Rectangle

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



12.3995, 12.4064, 16.7801



13.0295, 12.4064, 14.1609



11.2045, 12.4064, 10.6924



10.6353, 12.4064, 12.8764

Sweetspot

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



12.3999, 12.4069, 16.7804



25.3957, 26.3196, 30.6715



13.1831, 14.4568, 17.1348



6.0421, 6.2470, 7.3571



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.



12.3999, 12.4069, 16.7804



21.2240, 20.9635, 29.8575



13.1837, 12.8110, 16.8171



3.2783, 3.3317, 4.2245



3.7989, 1.5678, 17.8240



18.3105, 7.4938, 88.7605

Inverse Universe

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



13.5374, 13.0121, 15.9859



23.6738, 22.2673, 28.1245



13.2317, 15.0105, 13.5097



3.4853, 3.4418, 4.0823



9.7531, 4.7936, 11.0415



48.2589, 23.7489, 53.2891

Previews

White Background



This preview shows how the XYZ color 12.3995, 12.4064, 16.7801 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 12.3995, 12.4064, 16.7801 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 12.3995, 12.4064, 16.7801

Background



This preview shows how black text looks on a background with the XYZ color 12.3995, 12.4064, 16.7801.



This preview shows how white text looks on a background with the XYZ color 12.3995, 12.4064,

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

12.3995, 12.4064, 16.7801

Protanopia

12.2221, 12.4466, 17.0875

Deuteranopia

12.6456, 12.3970, 16.7653



Tritanopia

12.1148, 12.4286, 15.3961

Trichromacy



Original Color

12.3995, 12.4064, 16.7801

Protanomaly

12.3293, 12.5019, 17.0925

Deuteranomaly

12.5316, 12.3382, 16.7600

Tritanomaly

12.2200, 12.4707, 15.9504

Monochromacy



Original Color

12.3995, 12.4064, 16.7801

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.9615, 12.3673, 14.5887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3995, 12.4064, 16.7801 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(100, 97, 111)` looks like.

```
.text, #text, p{  
    color:rgb(100, 97, 111)  
}
```

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(100, 97, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 97, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.3995, 12.4064, 16.7801 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(100, 97, 111) }
```


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

```
.border{ border-color:rgb(100, 97, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 97, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 97, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 97, 111);  
box-shadow:4px 4px 4px 4px rgb(100, 97,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3995, 12.4064, 16.7801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 97, 111) }
```

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

```
.background{ background-color: rgb(100, 97,  
111) }
```

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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