

Converting Colors

XYZ(10.4281, 12.3767, 2.5521)

Have a look what the booklet for
XYZ(10.4281, 12.3767, 2.5521)
contains.

XYZ(10.4802, 12.4404, 2.5583)	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(10.4802, 12.4404,
2.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	676615
RGB	103, 102, 21
RGB Percent	40%, 40%, 8%
CMY	0.5961, 0.6000, 0.9176
CMYK	0.00, 0.01, 0.80, 0.60
HSL	59°, 66%, 24%
HSV	59°, 80%, 40%
XYZ	10.4802, 12.4404, 2.5583
YIQ	93.0650, 26.5970, -24.9790

Conversions

Conversions Part 2

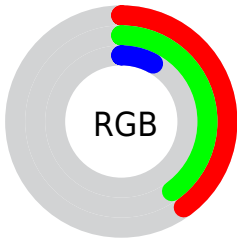
Format	Color
R_{YB}	22, 103, 21
Decimal	6776341
CIE Lab	41.91, -9.84, 42.56
CIE LCh	42, 43.680, 103.019
Yxy	12.4404, 0.4113, 0.4883
Android (android.graphics.Color)	4284966421 (0xFF676615)
YUV	93.0650, -35.5280, 8.7130
Hunter-Lab	35.2710, -8.6857, 20.3892

Details

The XYZ color **10.4802, 12.4404, 2.5583** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.0444, 1.7125, 13.0019**, and the grayscale version is **10.4960, 11.0426, 12.0254**.

A 20% lighter version of the original color is **26.4656, 30.4184, 10.6074**, and **2.8344, 3.4893, 0.5241** is the 20% darker color. If you saturate the color by 10%, you get **10.3915, 12.3857, 2.1506**, and if you desaturate by 10%, it is **10.6087, 12.5120, 3.1732**.

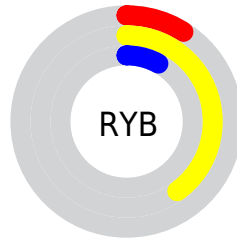
Distribution



Red (40%)

Green (40%)

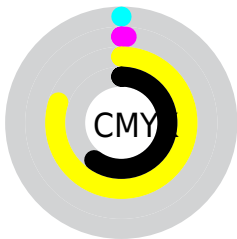
Blue (8%)



Red (9%)

Yellow (40%)

Blue (8%)

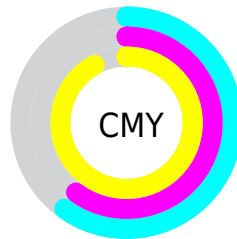


Cyan (0%)

Magenta (1%)

Yellow (80%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4802, 12.4404, 2.5583 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 10.4802, 12.4404, 2.5583 by changing the saturation by 10% instead.

■ 10.4802, 12.4404,
2.5583

■ 10.4802, 12.4404,
2.5583

188.0487,
207.2994, 130.5193

■ 5.7832, 7.0444,
0.8708

■ 26.3364, 30.2947,
10.5176

■ 2.7531, 3.4899,
0.0000

■ 38.2264, 43.5218,
17.6294

■ 1.0246, 1.3925,
0.0000

■ 53.2446, 60.1279,
27.3874

■ 0.0000, 0.2112,
0.0000

■ 71.7566, 80.4976,
40.2102

■ 0.0000, 0.0000,
0.0000

■ 94.1277, 105.0152,
56.5162

■ 120.7231,

134.0651, 76.7240

■ 151.9084,
168.0317, 101.2522

■ 10.4802, 12.4404,
2.5583

■ 10.4802, 12.4404,
2.5583

■ 10.3915, 12.3857,
2.1506

■ 10.6087, 12.5120,
3.1732

■ 10.3227, 12.3386,
1.8491

■ 10.7806, 12.6005,
4.0173

■ 10.3201, 12.3367,
1.8373

■ 10.9997, 12.7079,
5.1104

■ 11.2695, 12.8356,
6.4701

■ 11.5930, 12.9848,
8.1124

■ 11.9730, 13.1566,
10.0521

■ 12.4120, 13.3521,
12.3027

■ 12.9126, 13.5723,
14.8772

■ 13.4769, 13.8180,
17.7876

Harmonies

Analogous

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



13.7315, 12.4404, 2.6645



10.4802, 12.4404, 2.5583



8.0746, 12.4404, 4.2616

Triad

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



10.4802, 12.4404, 2.5583



7.8415, 12.4404, 29.6552



18.8104, 12.4404, 19.4295

Complementary

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



10.4802, 12.4404, 2.5583



3.0444, 1.7125, 13.0019

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.



16.5852, 12.4404, 31.1449



10.4802, 12.4404, 2.5583



10.1023, 12.4404, 38.6558

Square

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



10.4802, 12.4404, 2.5583



6.7487, 12.4404, 17.9582



13.2785, 12.4404, 39.2994



18.9622, 12.4404, 9.9222

Rectangle

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



10.4802, 12.4404, 2.5583



7.1101, 12.4404, 6.9746



13.2785, 12.4404, 39.2994



18.2639, 12.4404, 23.3185

Sweetspot

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



10.4805, 12.4410, 2.5586



21.0796, 23.3968, 16.1618



6.0101, 3.4793, 1.1327



5.0996, 5.6886, 3.7221



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.



10.4805, 12.4410, 2.5586



18.5116, 22.1076, 3.4468



7.0590, 10.8234, 2.4267



3.0375, 3.2625, 3.0441



12.9822, 15.5176, 2.3110



67.6598, 80.8336, 12.0364

Inverse Universe

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



3.0444, 1.7125, 13.0019



4.5272, 1.9400, 23.1129



4.6184, 2.4962, 13.0702



2.6953, 2.7686, 3.5243



3.0953, 1.2623, 16.2248



16.0966, 6.4898, 84.6057

Previews

White Background



This preview shows how the XYZ color 10.4802, 12.4404, 2.5583 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 10.4802, 12.4404, 2.5583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

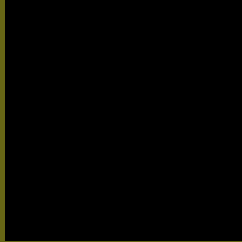
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4802, 12.4404, 2.5583

Background



This preview shows how black text looks on a background with the XYZ color 10.4802, 12.4404, 2.5583.



This preview shows how white text looks on a background with the XYZ color 10.4802, 12.4404,

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

10.4802, 12.4404, 2.5583

Protanopia

11.1437, 12.3537, 2.4590

Deuteranopia

12.4904, 12.3607, 2.6472



Tritanopia

12.7972, 12.3949, 14.2884

Trichromacy



Original Color

10.4802, 12.4404, 2.5583

Protanomaly

10.8678, 12.3530, 2.4734

Deuteranomaly

11.6420, 12.3283, 2.6302

Tritanomaly

11.6337, 12.3422, 8.0725

Monochromacy



Original Color

10.4802, 12.4404, 2.5583

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1258, 11.3124, 6.9600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4802, 12.4404, 2.5583 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(103, 102, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 21) }
```

Border

The CSS property to change the border of an element to XYZ 10.4802, 12.4404, 2.5583 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, 21) }
```


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

```
.border{ border-color:rgb(103, 102, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 102, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 102, 21);  
box-shadow:4px 4px 4px 4px rgb(103, 102,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4802, 12.4404, 2.5583 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, 21) }
```

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

```
.background{ background-color: rgb(103,  
102, 21) }
```

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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