

Converting Colors

XYZ(18.2809, 18.3518, 18.2021)

Have a look what the booklet for
XYZ(18.2809, 18.3518, 18.2021)
contains.

XYZ(18.2793, 18.3502, 18.2013)	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(18.2793, 18.3502,
18.2013)**

Conversions

Conversions Part 1

Format	Color
Hex	817471
RGB	129, 116, 113
RGB Percent	51%, 45%, 44%
CMY	0.4941, 0.5451, 0.5569
CMYK	0.00, 0.10, 0.12, 0.49
HSL	11°, 7%, 47%
HSV	11°, 12%, 51%
XYZ	18.2793, 18.3502, 18.2013
YIQ	119.5450, 8.7110, 1.8230

Conversions

Conversions Part 2

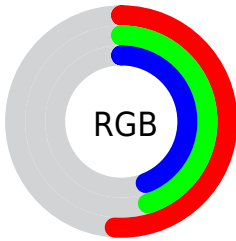
Format	Color
R_{YB}	129, 117, 113
Decimal	8483953
CIE Lab	49.92, 4.48, 3.48
CIE LCh	50, 5.671, 37.830
Yxy	18.3502, 0.3334, 0.3347
Android (android.graphics.Color)	4286674033 (0xFF817471)
YUV	119.5450, -3.2267, 8.2920
Hunter-Lab	42.8371, 1.2039, 4.7939

Details

The XYZ color **18.2793, 18.3502, 18.2013** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2332, 20.0169, 23.6717**, and the grayscale version is **17.7159, 18.6385, 20.2974**.

A 20% lighter version of the original color is **40.0856, 40.6670, 41.3341**, and **6.3295, 6.2214, 5.8683** is the 20% darker color. If you saturate the color by 10%, you get **16.4636, 15.7995, 14.2641**, and if you desaturate by 10%, it is **20.3356, 21.2164, 22.7285**.

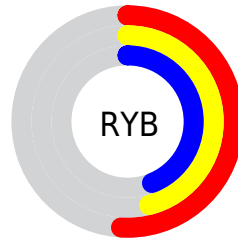
Distribution



Red (51%)

Green (45%)

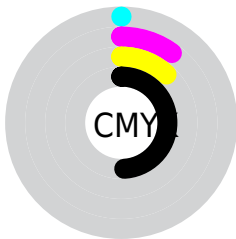
Blue (44%)



Red (51%)

Yellow (46%)

Blue (44%)

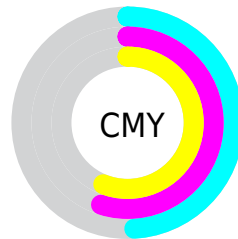


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (49%)



Cyan (49%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2793, 18.3502, 18.2013 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 18.2793, 18.3502, 18.2013 by changing the saturation by 10% instead.

■ 18.2793, 18.3502,
18.2013

■ 18.2793, 18.3502,
18.2013

235.4559,
242.8376, 254.2773

■ 11.2516, 11.2017,
10.9237

■ 40.0390, 40.6332,
41.1986

■ 6.3049, 6.2027,
5.9020

■ 55.5018, 56.5364,
57.7554

■ 3.0737, 2.9687,
2.7178

■ 74.5069, 76.1267,
78.2422

■ 1.1929, 1.1154,
0.9523

■ 97.4198, 99.7884,
103.0778

■ 0.1007, 0.0000,
0.0000

124.6058,
127.9060, 132.6805

■ 0.0000, 0.0000,
0.0000

156.4302,

160.8638, 167.4690

193.2585,
199.0462, 207.8618

■ 18.2793, 18.3502,
18.2013

■ 18.2793, 18.3502,
18.2013

■ 16.4636, 15.7995,
14.2641

■ 20.3356, 21.2164,
22.7285

■ 14.8781, 13.5511,
10.8914

■ 22.6392, 24.4059,
27.8675

■ 13.5140, 11.5945,
8.0575

■ 25.1988, 27.9292,
33.6403

■ 12.3611, 9.9176,
5.7345

■ 28.0218, 31.7957,
40.0675

■ 11.4086, 8.5074,
3.8916

■ 31.1157, 36.0144,
47.1688

■ 10.6447, 7.3500,
2.4949

■ 34.4873, 40.5939,
54.9631

■ 10.0562, 6.4302,
1.5061

■ 38.1434, 45.5426,
63.4685

■ 9.6281, 5.7309,
0.8801

■ 42.0905, 50.8684,
72.7024

■ 9.3843, 5.3291,
0.5340

■ 46.3350, 56.5793,
82.6817

Harmonies

Analogous

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



18.4966, 18.3502, 19.5755



18.2793, 18.3502, 18.2013



17.8384, 18.3502, 17.3363

Triad

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



18.2793, 18.3502, 18.2013



16.4919, 18.3502, 18.8727



17.5840, 18.3502, 23.0924

Complementary

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



18.2793, 18.3502, 18.2013



18.2332, 20.0169, 23.6717

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.



17.0502, 18.3502, 22.8802



18.2793, 18.3502, 18.2013



16.4270, 18.3502, 20.3905

Square

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



18.2793, 18.3502, 18.2013



16.8086, 18.3502, 17.7097



16.6293, 18.3502, 21.8715



18.0898, 18.3502, 22.4371

Rectangle

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



18.2793, 18.3502, 18.2013



17.4809, 18.3502, 17.1378



16.6293, 18.3502, 21.8715



17.4018, 18.3502, 23.1208

Sweetspot

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



18.2798, 18.3510, 18.2017



35.7629, 37.0856, 39.2548



18.7288, 17.9857, 22.2459



8.0380, 8.3152, 8.7596



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



18.2798, 18.3510, 18.2017



31.7319, 31.4574, 30.4079



19.2334, 20.2582, 18.5196



4.3881, 4.4648, 4.5506



9.1522, 5.2008, 0.5215



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2332, 20.0169, 23.6717



31.6304, 35.0775, 42.2960



17.2590, 18.0685, 23.3470



4.3800, 4.7540, 5.5000



8.7709, 11.3602, 21.9804



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2793, 18.3502, 18.2013 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 18.2793, 18.3502, 18.2013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

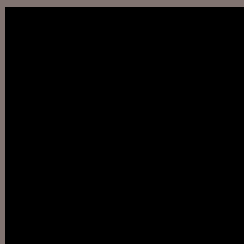
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

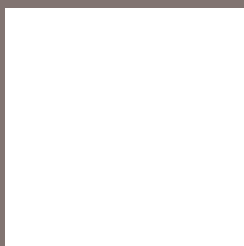
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2793, 18.3502, 18.2013

Background



This preview shows how black text looks on a background with the XYZ color 18.2793, 18.3502, 18.2013.



This preview shows how white text looks on a background with the XYZ color 18.2793, 18.3502,

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

18.2793, 18.3502, 18.2013

Protanopia

17.5417, 18.3093, 18.5291

Deuteranopia

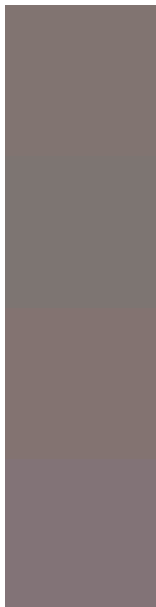
18.6271, 18.3593, 18.1847



Tritanopia

18.7984, 18.2105, 21.2631

Trichromacy



Original Color

18.2793, 18.3502, 18.2013

Protanomaly

17.8560, 18.2975, 18.5102

Deuteranomaly

18.4714, 18.2790, 18.1774

Tritanomaly

18.6664, 18.3392, 20.0088

Monochromacy



Original Color

18.2793, 18.3502, 18.2013

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.9761, 18.6890, 19.4895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2793, 18.3502, 18.2013 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(129, 116, 113)` looks like.

```
.text, #text, p{  
    color:rgb(129, 116, 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(129, 116, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 116, 113) }
```

Border

The CSS property to change the border of an element to XYZ 18.2793, 18.3502, 18.2013 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(129, 116, 113) }
```


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

```
.border{ border-color:rgb(129, 116, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 116, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 116, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 116, 113);  
box-shadow:4px 4px 4px 4px rgb(129, 116,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2793, 18.3502, 18.2013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 116, 113) }
```

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

```
.background{ background-color: rgb(129,  
116, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor