

Converting Colors

XYZ(18.2855, 21.0634, 12.7748)

Have a look what the booklet for
XYZ(18.2855, 21.0634, 12.7748)
contains.

XYZ(18.2855, 21.0634, 12.7748)	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(18.2855, 21.0634,
12.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	7D825A
RGB	125, 130, 90
RGB Percent	49%, 51%, 35%
CMY	0.5098, 0.4902, 0.6471
CMYK	0.04, 0.00, 0.31, 0.49
HSL	68°, 18%, 43%
HSV	68°, 31%, 51%
XYZ	18.2855, 21.0634, 12.7748
YIQ	123.9450, 9.8600, -13.5000

Conversions

Conversions Part 2

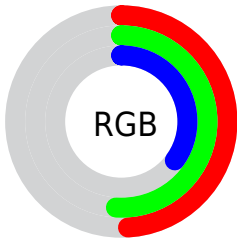
Format	Color
RYB	90, 130, 95
Decimal	8225370
CIELab	53.02, -8.85, 21.09
CIElCh	53, 22.871, 112.773
Yxy	21.0634, 0.3508, 0.4041
Android (android.graphics.Color)	4286415450 (0xFF7D825A)
YUV	123.9450, -16.7349, 0.9252
Hunter-Lab	45.8949, -9.1978, 15.6231

Details

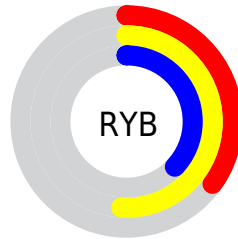
The XYZ color **18.2855, 21.0634, 12.7748** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4056, 11.3576, 22.6587**, and the grayscale version is **19.1920, 20.1914, 21.9885**.

A 20% lighter version of the original color is **40.0272, 45.2254, 31.4307**, and **6.2987, 7.5626, 3.5106** is the 20% darker color. If you saturate the color by 10%, you get **17.5446, 20.7406, 10.1000**, and if you desaturate by 10%, it is **19.1281, 21.4288, 15.9605**.

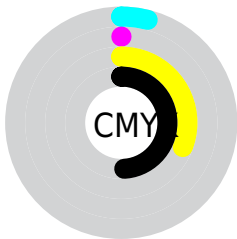
Distribution



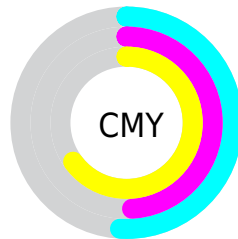
- Red (49%)
- Green (51%)
- Blue (35%)



- Red (35%)
- Yellow (51%)
- Blue (37%)



- Cyan (4%)
- Magenta (0%)
- Yellow (31%)
- Black (49%)



- Cyan (51%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2855, 21.0634, 12.7748 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 18.2855, 21.0634, 12.7748 by changing the saturation by 10% instead.

■ 18.2855, 21.0634,
12.7748

■ 18.2855, 21.0634,
12.7748

235.4900,
257.6152, 220.6262

■ 11.2561, 13.1704,
7.1448

■ 40.0495, 45.1930,
31.5838

■ 6.3079, 7.5460,
3.4730

■ 55.5148, 62.1984,
45.5999

■ 3.0756, 3.8058,
1.3409

■ 74.5227, 83.0100,
63.2484

■ 1.1939, 1.5655,
0.0950

■ 97.4387, 108.0122,
84.9479

■ 0.1015, 0.3342,
0.0000

■ 124.6281,
137.5895, 111.1169

■ 0.0000, 0.0000,
0.0000

156.4562,

172.1261, 142.1739

193.2883,
212.0066, 178.5375

■ 18.2855, 21.0634,
12.7748

■ 18.2855, 21.0634,
12.7748

■ 17.5446, 20.7406,
10.1000

■ 19.1281, 21.4288,
15.9605

■ 16.8989, 20.4555,
7.9083

■ 20.0757, 21.8359,
19.6803

■ 16.3432, 20.2069,
6.1710

■ 21.1329, 22.2874,
23.9578

■ 15.8716, 19.9924,
4.8561

■ 22.3042, 22.7849,
28.8147

■ 15.4771, 19.8092,
3.9275

■ 23.5932, 23.3300,
34.2714

■ 15.1517, 19.6541,
3.3428

■ 25.0038, 23.9242,
40.3475

■ 14.8890, 19.5263,
2.9842

■ 26.5396, 24.5689,
47.0616

■ 28.2039, 25.2654,
54.4316

■ 29.9999, 26.0152,
62.4747

Harmonies

Analogous

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



20.6066, 21.0634, 12.1582



18.2855, 21.0634, 12.7748



16.5641, 21.0634, 15.8287

Triad

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



18.2855, 21.0634, 12.7748



17.3547, 21.0634, 35.1572



24.9590, 21.0634, 24.6385

Complementary

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



18.2855, 21.0634, 12.7748



12.4056, 11.3576, 22.6587

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.



23.9263, 21.0634, 31.9005



18.2855, 21.0634, 12.7748



19.4449, 21.0634, 38.7132

Square

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



18.2855, 21.0634, 12.7748



16.0574, 21.0634, 28.4434



21.8611, 21.0634, 37.4155



24.5864, 21.0634, 18.1872

Rectangle

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



18.2855, 21.0634, 12.7748



15.9259, 21.0634, 19.2369



21.8611, 21.0634, 37.4155



24.7620, 21.0634, 27.0778

Sweetspot

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



18.2860, 21.0643, 12.7752



35.6315, 38.5720, 35.7704



15.1144, 13.6091, 11.5034



8.0149, 8.7091, 7.8961



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.



18.2860, 21.0643, 12.7752



31.2607, 36.6837, 19.0766



15.6938, 19.7280, 12.6539



4.6141, 4.9930, 4.6407



14.2793, 18.7236, 2.8614



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.4056, 11.3576, 22.6587



19.1687, 16.7176, 39.4090



14.7126, 12.5468, 22.7666



4.1550, 4.2355, 5.4118



4.0762, 1.6551, 20.3546



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2855, 21.0634, 12.7748 looks on a white 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

Black Background



This preview shows how the XYZ color 18.2855, 21.0634, 12.7748 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 18.2855, 21.0634, 12.7748

Background



This preview shows how black text looks on a background with the XYZ color 18.2855, 21.0634, 12.7748.



This preview shows how white text looks on a background with the XYZ color 18.2855, 21.0634,

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

18.2855, 21.0634, 12.7748

Protanopia

19.5388, 20.9447, 12.2454

Deuteranopia

21.3468, 20.9315, 13.0403



Tritanopia

20.8708, 20.9618, 25.5003

Trichromacy



Original Color

18.2855, 21.0634, 12.7748

Protanomaly

19.0654, 20.8866, 12.4778

Deuteranomaly

20.0805, 20.8334, 12.8604

Tritanomaly

19.7841, 20.8968, 20.1303

Monochromacy



Original Color

18.2855, 21.0634, 12.7748

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.6977, 20.3766, 18.2768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2855, 21.0634, 12.7748 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(125, 130, 90)` looks like.

```
.text, #text, p{  
    color:rgb(125, 130, 90)  
}
```

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(125, 130, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 130, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.2855, 21.0634, 12.7748 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(125, 130, 90) }
```


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

```
.border{ border-color:rgb(125, 130, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 130, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 130, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 130, 90);  
box-shadow:4px 4px 4px 4px rgb(125, 130,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2855, 21.0634, 12.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 130, 90) }
```

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

```
.background{ background-color: rgb(125,  
130, 90) }
```

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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