

Converting Colors

XYZ(21.1859, 28.1432, 18.7534)

Have a look what the booklet for
XYZ(21.1859, 28.1432, 18.7534)
contains.

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Color

**XYZ(21.2043, 28.2606,
18.8052)**

Conversions

Conversions Part 1

Format	Color
Hex	6F9C6D
RGB	111, 156, 109
RGB Percent	44%, 61%, 43%
CMY	0.5647, 0.3882, 0.5725
CMYK	0.29, 0.00, 0.30, 0.39
HSL	117°, 19%, 52%
HSV	117°, 30%, 61%
XYZ	21.2043, 28.2606, 18.8052
YIQ	137.1870, -11.7330, -24.1570

Conversions

Conversions Part 2

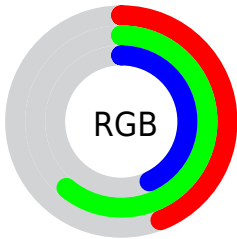
Format	Color
RYB	109, 156, 154
Decimal	7314541
CIELab	60.12, -24.87, 19.87
CIElCh	60, 31.832, 141.379
Yxy	28.2606, 0.3106, 0.4140
Android (android.graphics.Color)	4285504621 (0xFF6F9C6D)
YUV	137.1870, -13.8962, -22.9660
Hunter-Lab	53.1607, -21.8326, 16.2391

Details

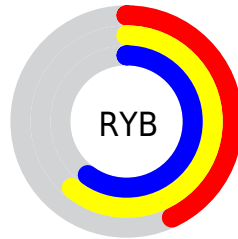
The XYZ color **21.2043, 28.2606, 18.8052** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.7971, 20.2084, 34.0477**, and the grayscale version is **23.9033, 25.1481, 27.3863**.

A 20% lighter version of the original color is **45.0371, 57.0543, 42.3571**, and **7.7171, 11.2297, 6.1757** is the 20% darker color. If you saturate the color by 10%, you get **18.7132, 27.0658, 14.6872**, and if you desaturate by 10%, it is **24.1603, 29.6795, 23.7242**.

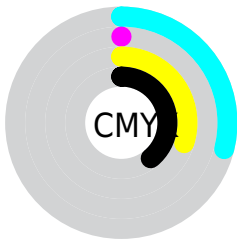
Distribution



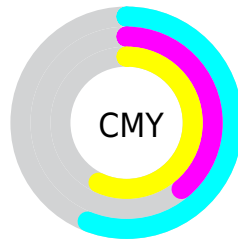
- Red (44%)
- Green (61%)
- Blue (43%)



- Red (43%)
- Yellow (61%)
- Blue (60%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (39%)



- Cyan (56%)
- Magenta (39%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2043, 28.2606, 18.8052 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 21.2043, 28.2606, 18.8052 by changing the saturation by 10% instead.

■ 21.2043, 28.2606,
18.8052

■ 21.2043, 28.2606,
18.8052

251.0735,
293.7101, 257.7580

■ 13.3867, 18.5222,
11.3542

■ 44.9160, 56.9002,
42.2370

■ 7.7742, 11.3255,
6.1885

■ 61.5409, 76.5703,
59.0549

■ 4.0014, 6.2862,
2.8894

■ 81.8322, 100.3196,
79.8321

■ 1.7029, 3.0199,
1.0384

■ 106.1554,
128.5327, 104.9873

■ 0.4581, 1.1421,
0.0000

134.8757,
161.5939, 134.9389

■ 0.0000, 0.0137,
0.0000

168.3586,

■ 0.0000, 0.0000,

199.8876, 170.1056

0.0000

206.9694,
243.7982, 210.9058

■ 21.2043, 28.2606,
18.8052

■ 21.2043, 28.2606,
18.8052

■ 18.7132, 27.0658,
14.6872

■ 24.1603, 29.6795,
23.7242

■ 16.6613, 26.0802,
11.3262

■ 27.6007, 31.3292,
29.4816

■ 15.0236, 25.2930,
8.6765

■ 31.5468, 33.2208,
36.1144

■ 13.7721, 24.6905,
6.6871

■ 36.0179, 35.3634,
43.6571

■ 12.8750, 24.2578,
5.2999

■ 41.0322, 37.7658,
52.1423

■ 12.2955, 23.9774,
4.4471

■ 46.6071, 40.4361,
61.6010

■ 11.9721, 23.8209,
3.9669

■ 52.7592, 43.3825,
72.0625

■ 59.5045, 46.6124,
83.5553

■ 66.8583, 50.1332,
96.1065

Harmonies

Analogous

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



24.1107, 28.2606, 14.2766



21.2043, 28.2606, 18.8052



19.8493, 28.2606, 27.5354

Triad

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



21.2043, 28.2606, 18.8052



25.7059, 28.2606, 58.6394



34.8180, 28.2606, 23.3098

Complementary

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



21.2043, 28.2606, 18.8052



24.7971, 20.2084, 34.0477

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.



35.3552, 28.2606, 34.2506



21.2043, 28.2606, 18.8052



29.8126, 28.2606, 56.6824

Square

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



21.2043, 28.2606, 18.8052



22.2709, 28.2606, 51.7872



33.4433, 28.2606, 46.9678



32.0418, 28.2606, 16.3839

Rectangle

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



21.2043, 28.2606, 18.8052



19.9027, 28.2606, 35.4029



33.4433, 28.2606, 46.9678



35.2768, 28.2606, 26.5618

Sweetspot

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



21.2050, 28.2618, 18.8058



50.7697, 57.2075, 54.6203



27.9698, 31.1694, 19.0105



10.9700, 12.4915, 11.6808



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.2050, 28.2618, 18.8058



35.4410, 49.8549, 29.0717



22.2354, 28.6452, 25.5299



6.5756, 7.4138, 7.0701



9.8685, 19.6241, 3.2677



0.1832, 0.3544, 0.0587

Inverse Universe

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



24.7971, 20.2084, 34.0477



43.0106, 32.8747, 61.2053



23.5426, 19.7510, 25.4388



6.8763, 6.7402, 8.3453



15.2146, 7.2724, 26.5091



0.2797, 0.1340, 0.4743

Previews

White Background



This preview shows how the XYZ color 21.2043, 28.2606, 18.8052 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 21.2043, 28.2606, 18.8052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

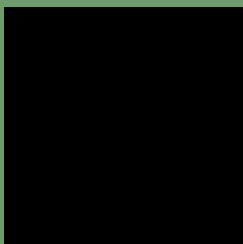
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2043, 28.2606, 18.8052

Background



This preview shows how black text looks on a background with the XYZ color 21.2043, 28.2606, 18.8052.



This preview shows how white text looks on a background with the XYZ color 21.2043, 28.2606,

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

21.2043, 28.2606, 18.8052

Protanopia

25.9895, 27.9146, 17.1150

Deuteranopia

28.5754, 28.0925, 19.5391



Tritanopia

24.9262, 28.0612, 37.8208

Trichromacy



Original Color

21.2043, 28.2606, 18.8052

Protanomaly

23.8389, 27.7094, 17.7277

Deuteranomaly

25.2628, 27.7165, 19.3476

Tritanomaly

23.4468, 28.1914, 29.7969

Monochromacy



Original Color

21.2043, 28.2606, 18.8052

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.7061, 26.0680, 23.9136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2043, 28.2606, 18.8052 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(111, 156, 109)` looks like.

```
.text, #text, p{  
    color:rgb(111, 156, 109)  
}
```

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(111, 156, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 156, 109) }
```

Border

The CSS property to change the border of an element to XYZ 21.2043, 28.2606, 18.8052 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(111, 156, 109) }
```


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

```
.border{ border-color:rgb(111, 156, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 156, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 156, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 156, 109);  
box-shadow:4px 4px 4px 4px rgb(111, 156,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2043, 28.2606, 18.8052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 156, 109) }
```

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

```
.background{ background-color: rgb(111,  
156, 109) }
```

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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