

Converting Colors

XYZ(21.2201, 25.7641, 15.8227)

Have a look what the booklet for
XYZ(21.2201, 25.7641, 15.8227)
contains.

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Color

**XYZ(21.1780, 25.6829,
15.8977)**

Conversions

Conversions Part 1

Format	Color
Hex	7F9164
RGB	127, 145, 100
RGB Percent	50%, 57%, 39%
CMY	0.5020, 0.4314, 0.6078
CMYK	0.12, 0.00, 0.31, 0.43
HSL	84°, 18%, 48%
HSV	84°, 31%, 57%
XYZ	21.1780, 25.6829, 15.8977
YIQ	134.4880, 3.7170, -17.8110

Conversions

Conversions Part 2

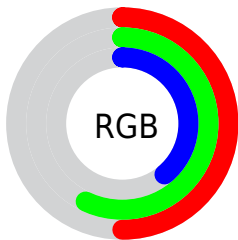
Format	Color
R_{YB}	100, 145, 118
Decimal	8360292
CIE _{Lab}	57.73, -14.70, 21.81
CIE _{LCh}	58, 26.305, 123.974
Yxy	25.6829, 0.3375, 0.4092
Android (android.graphics.Color)	4286550372 (0xFF7F9164)
YUV	134.4880, -17.0026, -6.5670
Hunter-Lab	50.6783, -14.0935, 16.8756

Details

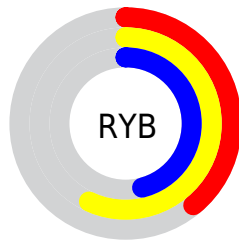
The XYZ color **21.1780, 25.6829, 15.8977** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.1403, 15.0110, 28.7835**, and the grayscale version is **22.9001, 24.0926, 26.2369**.

A 20% lighter version of the original color is **44.8317, 52.7845, 37.1037**, and **7.7954, 10.0192, 4.8912** is the 20% darker color. If you saturate the color by 10%, you get **19.6987, 24.9951, 12.4854**, and if you desaturate by 10%, it is **22.8333, 26.4486, 19.9714**.

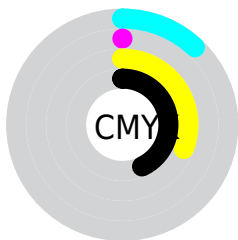
Distribution



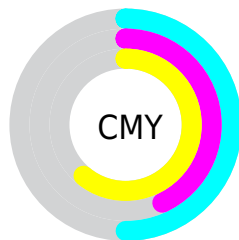
- Red (50%)
- Green (57%)
- Blue (39%)



- Red (39%)
- Yellow (57%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (43%)



- Cyan (50%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1780, 25.6829, 15.8977 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 21.1780, 25.6829, 15.8977 by changing the saturation by 10% instead.

■ 21.1780, 25.6829,
15.8977

■ 21.1780, 25.6829,
15.8977

250.9368,
281.2220, 240.5624

■ 13.3674, 16.5866,
9.2982

■ 44.8726, 52.7629,
37.1848

■ 7.7607, 9.9402,
4.8367

■ 61.4874, 71.5154,
52.7096

■ 3.9928, 5.3593,
2.0947

■ 81.7675, 94.2554,
72.0465

■ 1.6980, 2.4596,
0.6126

■ 106.0784,
121.3674, 95.6141

■ 0.4550, 0.8563,
0.0000

134.7854,
153.2356, 123.8309

■ 0.0000, 0.0000,
0.0000

168.2539,

190.2445, 157.1156

206.8493,
232.7785, 195.8865

■ 21.1780, 25.6829,
15.8977

■ 21.1780, 25.6829,
15.8977

■ 19.6987, 24.9951,
12.4854

■ 22.8333, 26.4486,
19.9714

■ 18.3860, 24.3787,
9.6979

■ 24.6697, 27.2917,
24.7372

■ 17.2324, 23.8315,
7.4976

■ 26.6942, 28.2160,
30.2259

■ 16.2291, 23.3499,
5.8421

■ 28.9130, 29.2240,
36.4660

■ 15.3661, 22.9297,
4.6835

■ 31.3320, 30.3182,
43.4842

■ 14.6316, 22.5662,
3.9653

■ 33.9569, 31.5010,
51.3063

■ 14.0558, 22.2778,
3.5592

■ 36.7929, 32.7744,
59.9566

■ 39.8451, 34.1408,
69.4584

■ 43.1186, 35.6021,
79.8343

Harmonies

Analogous

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



23.9932, 25.6829, 13.9759



21.1780, 25.6829, 15.8977



19.3593, 25.6829, 21.0182

Triad

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



21.1780, 25.6829, 15.8977



21.8467, 25.6829, 46.6428



30.9704, 25.6829, 26.7785

Complementary

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



21.1780, 25.6829, 15.8977



17.1403, 15.0110, 28.7835

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.



30.2725, 25.6829, 36.2935



21.1780, 25.6829, 15.8977



24.8333, 25.6829, 49.1018

Square

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



21.1780, 25.6829, 15.8977



19.7214, 25.6829, 38.8295



27.9570, 25.6829, 44.9713



29.7902, 25.6829, 19.3424

Rectangle

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



21.1780, 25.6829, 15.8977



18.8657, 25.6829, 26.1812



27.9570, 25.6829, 44.9713



30.9483, 25.6829, 29.8266

Sweetspot

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



21.1787, 25.6840, 15.8983



44.8215, 49.1676, 46.0153



20.4567, 19.8976, 14.8194



9.8688, 10.8910, 9.9637



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.1787, 25.6840, 15.8983



36.1070, 45.1483, 24.2268



18.1936, 24.1452, 15.7586



5.6336, 6.1792, 5.7852



12.0853, 19.1228, 3.0541



0.1405, 0.1957, 0.0304

Inverse Universe

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



17.1403, 15.0110, 28.7835



27.7345, 23.0122, 50.9536



20.5687, 16.7783, 28.9439



5.3210, 5.3537, 6.7817



5.9087, 2.5397, 23.1559



0.0802, 0.0365, 0.2225

Previews

White Background



This preview shows how the XYZ color 21.1780, 25.6829, 15.8977 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 21.1780, 25.6829, 15.8977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

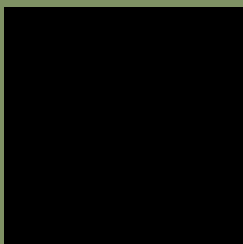
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1780, 25.6829, 15.8977

Background



This preview shows how black text looks on a background with the XYZ color 21.1780, 25.6829, 15.8977.



This preview shows how white text looks on a background with the XYZ color 21.1780, 25.6829,

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

21.1780, 25.6829, 15.8977

Protanopia

23.6406, 25.4296, 14.9717

Deuteranopia

26.1456, 25.6468, 16.4043



Tritanopia

24.5692, 25.7356, 32.5267

Trichromacy



Original Color

21.1780, 25.6829, 15.8977

Protanomaly

22.7140, 25.5943, 15.2983

Deuteranomaly

24.1064, 25.4299, 16.2083

Tritanomaly

23.0498, 25.5410, 25.5448

Monochromacy



Original Color

21.1780, 25.6829, 15.8977

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9614, 24.4074, 21.9660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1780, 25.6829, 15.8977 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(127, 145, 100)` looks like.

```
.text, #text, p{  
    color:rgb(127, 145, 100)  
}
```

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(127, 145, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 145, 100) }
```

Border

The CSS property to change the border of an element to XYZ 21.1780, 25.6829, 15.8977 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(127, 145, 100) }
```


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

```
.border{ border-color:rgb(127, 145, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 145, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 145, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 145, 100);  
box-shadow:4px 4px 4px 4px rgb(127, 145,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1780, 25.6829, 15.8977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 145, 100) }
```

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

```
.background{ background-color: rgb(127,  
145, 100) }
```

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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