

Converting Colors

XYZ(20.7168, 23.0848, 31.7884)

Have a look what the booklet for
XYZ(20.7168, 23.0848, 31.7884)
contains.

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Color

**XYZ(20.7845, 23.1578,
31.8082)**

Conversions

Conversions Part 1

Format	Color
Hex	6F8895
RGB	111, 136, 149
RGB Percent	44%, 53%, 58%
CMY	0.5647, 0.4667, 0.4157
CMYK	0.26, 0.09, 0.00, 0.42
HSL	201°, 15%, 51%
HSV	201°, 26%, 58%
XYZ	20.7845, 23.1578, 31.8082
YIQ	130.0070, -19.0730, -1.2570

Conversions

Conversions Part 2

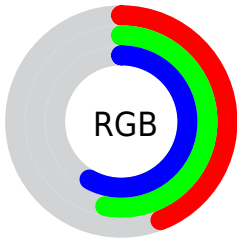
Format	Color
R_{YB}	111, 126, 149
Decimal	7309461
CIE _{Lab}	55.23, -5.81, -9.89
CIE _{LCh}	55, 11.469, 239.555
Yxy	23.1578, 0.2744, 0.3057
Android (android.graphics.Color)	4285499541 (0xFF6F8895)
YUV	130.0070, 9.3635, -16.6691
Hunter-Lab	48.1226, -7.1189, -5.5039

Details

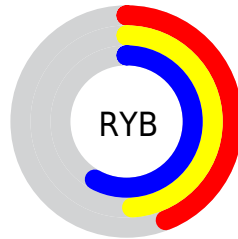
The XYZ color **20.7845, 23.1578, 31.8082** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.4715, 21.9525, 18.0922**, and the grayscale version is **21.1939, 22.2976, 24.2821**.

A 20% lighter version of the original color is **44.0813, 48.4935, 63.5368**, and **7.5190, 8.5616, 12.8115** is the 20% darker color. If you saturate the color by 10%, you get **18.3632, 20.8697, 31.4946**, and if you desaturate by 10%, it is **23.5541, 25.6773, 32.1489**.

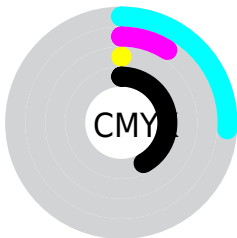
Distribution



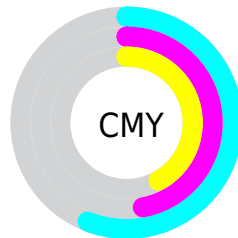
- Red (44%)
- Green (53%)
- Blue (58%)



- Red (44%)
- Yellow (49%)
- Blue (58%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)
- Black (42%)



- Cyan (56%)
- Magenta (47%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7845, 23.1578, 31.8082 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 20.7845, 23.1578, 31.8082 by changing the saturation by 10% instead.

■ 20.7845, 23.1578,
31.8082

■ 20.7845, 23.1578,
31.8082

248.8844,
268.5345, 324.7104

■ 13.0781, 14.7101,
20.9514

■ 44.2226, 48.6523,
63.6047

■ 7.5597, 8.6162,
12.8976

■ 60.6850, 66.4679,
85.3815

■ 3.8640, 4.4917,
7.2282

■ 80.7969, 88.1748,
111.6354

■ 1.6255, 1.9522,
3.5246

■ 104.9234,
114.1576, 142.7850

■ 0.4089, 0.5795,
1.3683

133.4301,
144.8005, 179.2487

■ 0.0000, 0.0000,
0.1168

166.6823,

■ 0.0000, 0.0000,

180.4881, 221.4452

0.0000

205.0453,
221.6046, 269.7929

■ 20.7845, 23.1578,
31.8082

■ 20.7845, 23.1578,
31.8082

■ 18.3632, 20.8697,
31.4946

■ 23.5541, 25.6773,
32.1489

■ 16.2721, 18.8013,
31.2055

■ 26.6849, 28.4336,
32.5159

■ 14.4946, 16.9438,
30.9407

■ 30.1913, 31.4358,
32.9106

■ 13.0117, 15.2868,
30.6990

■ 34.0868, 34.6911,
33.3336

■ 11.8023, 13.8185,
30.4793

■ 38.3838, 38.2068,
33.7857

■ 10.8418, 12.5256,
30.2804

■ 43.0942, 41.9895,
34.2676

■ 10.0973, 11.3903,
30.1005

■ 48.2296, 46.0459,
34.7799

■ 9.7958, 10.9118,
30.0240

■ 53.8008, 50.3823,
35.3233

■ 59.8186, 55.0046,
35.8983

Harmonies

Analogous

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



19.9342, 23.1578, 28.8622



20.7845, 23.1578, 31.8082



21.9916, 23.1578, 32.9587

Triad

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



20.7845, 23.1578, 31.8082



24.5705, 23.1578, 25.2698



20.8165, 23.1578, 19.5558

Complementary

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



20.7845, 23.1578, 31.8082



22.4715, 21.9525, 18.0922

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.



22.0300, 23.1578, 18.7903



20.7845, 23.1578, 31.8082



24.2268, 23.1578, 21.8886

Square

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



20.7845, 23.1578, 31.8082



24.2064, 23.1578, 28.9663



23.2844, 23.1578, 19.6022



19.9521, 23.1578, 21.8023

Rectangle

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



20.7845, 23.1578, 31.8082



22.8467, 23.1578, 32.4742



23.2844, 23.1578, 19.6022



21.1955, 23.1578, 19.1270

Sweetspot

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



20.7852, 23.1587, 31.8087



46.2328, 49.5652, 58.0516



20.9204, 26.3216, 22.9368



10.0691, 10.8294, 12.8444



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.7852, 23.1587, 31.8087



34.4940, 38.9148, 56.6145



18.3810, 18.3503, 31.0073



5.7988, 6.2315, 7.3669



8.2727, 9.2401, 25.2785



0.1287, 0.1680, 0.3186

Inverse Universe

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



22.5233, 19.5365, 25.8775



38.2506, 31.4432, 43.7153



25.0365, 27.0826, 18.9472



5.9519, 5.8758, 6.8527



12.3027, 6.1262, 10.3412



0.1644, 0.0805, 0.1996

Previews

White Background



This preview shows how the XYZ color 20.7845, 23.1578, 31.8082 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 20.7845, 23.1578, 31.8082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

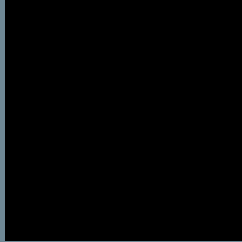
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

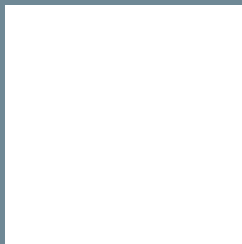
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7845, 23.1578, 31.8082

Background



This preview shows how black text looks on a background with the XYZ color 20.7845, 23.1578, 31.8082.



This preview shows how white text looks on a background with the XYZ color 20.7845, 23.1578,

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

20.7845, 23.1578, 31.8082

Protanopia

22.5105, 23.0537, 30.4575

Deuteranopia

23.5895, 23.1691, 32.5069



Tritanopia

20.6262, 23.0944, 30.9743

Trichromacy



Original Color

20.7845, 23.1578, 31.8082

Protanomaly

21.8224, 23.0926, 30.9109

Deuteranomaly

22.5087, 23.2166, 32.1491

Tritanomaly

20.7050, 23.1259, 31.3895

Monochromacy



Original Color

20.7845, 23.1578, 31.8082

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9350, 22.5196, 26.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7845, 23.1578, 31.8082 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, 136, 149)` looks like.

```
.text, #text, p{  
    color:rgb(111, 136, 149)  
}
```

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, 136, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 136, 149) }
```

Border

The CSS property to change the border of an element to XYZ 20.7845, 23.1578, 31.8082 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, 136, 149) }
```


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

```
.border{ border-color:rgb(111, 136, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 136, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 136, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 136, 149);  
box-shadow:4px 4px 4px 4px rgb(111, 136,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7845, 23.1578, 31.8082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 136, 149) }
```

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

```
.background{ background-color: rgb(111,  
136, 149) }
```

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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