

Converting Colors

XYZ(21.7411, 23.0724, 29.9504)

Have a look what the booklet for
XYZ(21.7411, 23.0724, 29.9504)
contains.

XYZ(21.8105, 23.1045, 30.0981)	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(21.8105, 23.1045,
30.0981)**

Conversions

Conversions Part 1

Format	Color
Hex	7C8591
RGB	124, 133, 145
RGB Percent	49%, 52%, 57%
CMY	0.5137, 0.4784, 0.4314
CMYK	0.14, 0.08, 0.00, 0.43
HSL	214°, 9%, 53%
HSV	214°, 14%, 57%
XYZ	21.8105, 23.1045, 30.0981
YIQ	131.6770, -9.2160, 1.8240

Conversions

Conversions Part 2

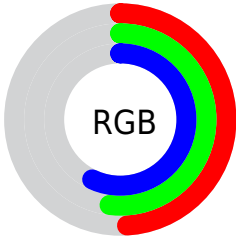
Format	Color
R_{YB}	124, 130, 145
Decimal	8160657
CIE Lab	55.18, -0.70, -7.56
CIE LCh	55, 7.592, 264.721
Yxy	23.1045, 0.2908, 0.3080
Android (android.graphics.Color)	4286350737 (0xFF7C8591)
YUV	131.6770, 6.5682, -6.7327
Hunter-Lab	48.0671, -3.1230, -3.4785

Details

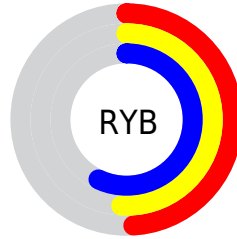
The XYZ color **21.8105, 23.1045, 30.0981** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.1193, 25.0830, 22.6394**, and the grayscale version is **21.7959, 22.9310, 24.9719**.

A 20% lighter version of the original color is **45.9992, 48.5884, 60.9869**, and **8.1375, 8.6627, 12.0697** is the 20% darker color. If you saturate the color by 10%, you get **18.7775, 19.9236, 29.6444**, and if you desaturate by 10%, it is **25.2425, 26.6251, 30.5971**.

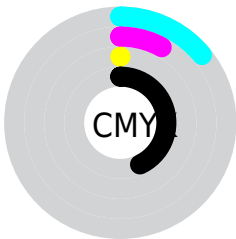
Distribution



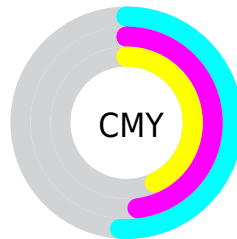
- Red (49%)
- Green (52%)
- Blue (57%)



- Red (49%)
- Yellow (51%)
- Blue (57%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (51%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8105, 23.1045, 30.0981 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 21.8105, 23.1045, 30.0981 by changing the saturation by 10% instead.

■ 21.8105, 23.1045,
30.0981

■ 21.8105, 23.1045,
30.0981

254.2061,
268.2613, 316.5830

■ 13.8335, 14.6707,
19.6604

■ 45.9138, 48.5649,
60.8801

■ 8.0859, 8.5886,
11.9668

■ 62.7708, 66.3602,
82.0615

■ 4.2022, 4.4738,
6.5988

■ 83.3186, 88.0448,
107.6612

■ 1.8172, 1.9420,
3.1379

107.9225,
114.0032, 138.0977

■ 0.5280, 0.5734,
1.1655

136.9478,
144.6196, 173.7896

■ 0.0000, 0.0000,
0.0000

170.7599,

180.2785, 215.1554

209.7242,
221.3642, 262.6137

■ 21.8105, 23.1045,
30.0981

■ 21.8105, 23.1045,
30.0981

■ 18.7775, 19.9236,
29.6444

■ 25.2425, 26.6251,
30.5971

■ 16.1259, 17.0686,
29.2330

■ 29.0861, 30.4930,
31.1411

■ 13.8401, 14.5287,
28.8633

■ 33.3556, 34.7190,
31.7318

■ 11.9021, 12.2914,
28.5336

■ 38.0642, 39.3129,
32.3703

■ 10.2926, 10.3434,
28.2424

■ 43.2246, 44.2836,
33.0578

■ 8.9900, 8.6700,
27.9880

■ 48.8486, 49.6401,
33.7953

■ 7.9700, 7.2548,
27.7686

■ 54.9479, 55.3908,
34.5838

■ 7.2022, 6.0783,
27.5820

■ 61.5337, 61.5440,
35.4244

■ 6.8422, 5.5070,
27.4907

■ 68.6166, 68.1077,
36.3180

Harmonies

Analogous

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



21.0320, 23.1045, 29.1640



21.8105, 23.1045, 30.0981



22.6490, 23.1045, 29.6405

Triad

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



21.8105, 23.1045, 30.0981



23.4745, 23.1045, 23.2544



20.6560, 23.1045, 22.5556

Complementary

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



21.8105, 23.1045, 30.0981



24.1193, 25.0830, 22.6394

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.



21.2854, 23.1045, 21.1498



21.8105, 23.1045, 30.0981



22.9152, 23.1045, 21.5347

Square

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



21.8105, 23.1045, 30.0981



23.6237, 23.1045, 25.5888



22.1105, 23.1045, 20.7884



20.3765, 23.1045, 24.7298

Rectangle

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



21.8105, 23.1045, 30.0981



23.1273, 23.1045, 28.6222



22.1105, 23.1045, 20.7884



20.8329, 23.1045, 21.9832

Sweetspot

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



21.8112, 23.1055, 30.0986



45.4656, 47.9455, 54.8317



22.8747, 26.3110, 27.1285



10.0142, 10.5643, 12.1835



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.



21.8112, 23.1055, 30.0986



37.4283, 39.6805, 53.6600



20.8348, 20.8501, 29.7148



5.3078, 5.6114, 6.8321



5.8936, 4.7732, 23.5878



0.0775, 0.0880, 0.2326

Inverse Universe

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



23.1188, 22.1289, 25.2443



40.1959, 37.6828, 43.3703



25.1957, 27.5997, 23.0684



5.4988, 5.4601, 6.1249



10.7779, 5.4682, 4.4819



0.1137, 0.0566, 0.0991

Previews

White Background



This preview shows how the XYZ color 21.8105, 23.1045, 30.0981 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 21.8105, 23.1045, 30.0981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

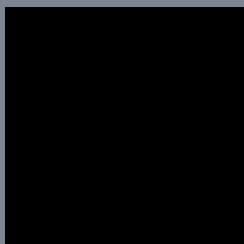
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

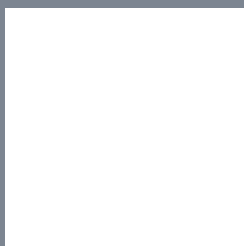
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8105, 23.1045, 30.0981

Background



This preview shows how black text looks on a background with the XYZ color 21.8105, 23.1045, 30.0981.



This preview shows how white text looks on a background with the XYZ color 21.8105, 23.1045,

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

21.8105, 23.1045, 30.0981

Protanopia

22.5104, 23.0715, 29.6524

Deuteranopia

23.3887, 22.9169, 30.3848



Tritanopia

21.7338, 23.0738, 29.6937

Trichromacy



Original Color

21.8105, 23.1045, 30.0981

Protanomaly

22.1874, 23.1053, 29.6759

Deuteranomaly

22.8438, 23.0271, 30.4348

Tritanomaly

21.7338, 23.0738, 29.6937

Monochromacy



Original Color

21.8105, 23.1045, 30.0981

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8199, 22.9758, 26.9517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8105, 23.1045, 30.0981 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(124, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(124, 133, 145)  
}
```

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(124, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 133, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.8105, 23.1045, 30.0981 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(124, 133, 145) }
```


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

```
.border{ border-color:rgb(124, 133, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 133, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(124, 133,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8105, 23.1045, 30.0981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 133, 145) }
```

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

```
.background{ background-color: rgb(124,  
133, 145) }
```

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