

Converting Colors

XYZ(21.9524, 23.5702, 31.1949)

Have a look what the booklet for
XYZ(21.9524, 23.5702, 31.1949)
contains.

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Color

**XYZ(21.9565, 23.5721,
30.9964)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8793
RGB	122, 135, 147
RGB Percent	48%, 53%, 58%
CMY	0.5216, 0.4706, 0.4235
CMYK	0.17, 0.08, 0.00, 0.42
HSL	209°, 10%, 53%
HSV	209°, 17%, 58%
XYZ	21.9565, 23.5721, 30.9964
YIQ	132.4810, -11.6000, 0.9760

Conversions

Conversions Part 2

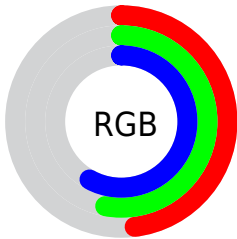
Format	Color
RYB	122, 131, 147
Decimal	8030099
CIELab	55.66, -2.07, -8.02
CIElCh	56, 8.284, 255.510
Yxy	23.5721, 0.2869, 0.3080
Android (android.graphics.Color)	4286220179 (0xFF7A8793)
YUV	132.4810, 7.1579, -9.1918
Hunter-Lab	48.5511, -4.2405, -3.8666

Details

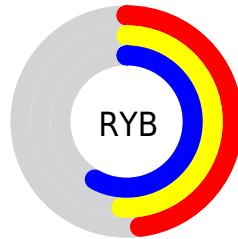
The XYZ color **21.9565, 23.5721, 30.9964** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.0708, 24.6585, 21.9038**, and the grayscale version is **22.0844, 23.2345, 25.3024**.

A 20% lighter version of the original color is **46.2050, 49.2974, 62.3384**, and **8.1075, 8.7580, 12.3295** is the 20% darker color. If you saturate the color by 10%, you get **19.0786, 20.6759, 30.5894**, and if you desaturate by 10%, it is **25.2159, 26.7631, 31.4409**.

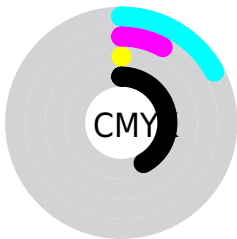
Distribution



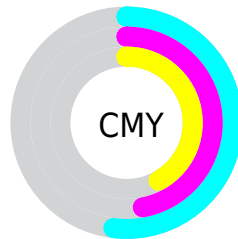
- Red (48%)
- Green (53%)
- Blue (58%)



- Red (48%)
- Yellow (51%)
- Blue (58%)



- Cyan (17%)
- Magenta (8%)
- Yellow (0%)
- Black (42%)



- Cyan (52%)
- Magenta (47%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9565, 23.5721, 30.9964 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 21.9565, 23.5721, 30.9964 by changing the saturation by 10% instead.

■ 21.9565, 23.5721,
30.9964

■ 21.9565, 23.5721,
30.9964

254.9557,
270.6500, 320.8724

■ 13.9414, 15.0165,
20.3377

■ 46.1535, 49.3310,
62.3139

■ 8.1613, 8.8310,
12.4542

■ 63.0660, 67.3031,
83.8098

■ 4.2510, 4.6311,
6.9275

■ 83.6751, 89.1829,
109.7551

■ 1.8451, 2.0325,
3.3391

108.3460,
115.3547, 140.5684

■ 0.5446, 0.6262,
1.2703

137.4442,
146.2029, 176.6683

■ 0.0000, 0.0000,
0.0372

171.3350,

■ 0.0000, 0.0000,

182.1119, 218.4732

0.0000

210.3837,
223.4661, 266.4017

■ 21.9565, 23.5721,
30.9964

■ 21.9565, 23.5721,
30.9964

■ 19.0786, 20.6759,
30.5894

■ 25.2159, 26.7631,
31.4409

■ 16.5648, 18.0617,
30.2173

■ 28.8691, 30.2552,
31.9224

■ 14.3994, 15.7202,
29.8795

■ 32.9305, 34.0581,
32.4424

■ 12.5644, 13.6401,
29.5747

■ 37.4131, 38.1803,
33.0018

■ 11.0403, 11.8094,
29.3017

■ 42.3292, 42.6297,
33.6015

■ 9.8053, 10.2146,
29.0590

■ 47.6906, 47.4142,
34.2424

■ 8.8344, 8.8407,
28.8449

■ 53.5088, 52.5412,
34.9254

■ 8.0861, 7.6640,
28.6573

■ 59.7947, 58.0179,
35.6512

■ 7.8821, 7.3377,
28.6050

■ 66.5588, 63.8513,
36.4206

Harmonies

Analogous

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



21.1648, 23.5721, 29.5282



21.9565, 23.5721, 30.9964



22.8901, 23.5721, 30.9695

Triad

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



21.9565, 23.5721, 30.9964



24.1870, 23.5721, 24.3100



21.1430, 23.5721, 22.2151

Complementary

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



21.9565, 23.5721, 30.9964



24.0708, 24.6585, 21.9038

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.



21.9260, 23.5721, 21.0055



21.9565, 23.5721, 30.9964



23.6919, 23.5721, 22.1562

Square

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



21.9565, 23.5721, 30.9964



24.1957, 23.5721, 26.9797



22.8587, 23.5721, 20.9847



20.7041, 23.5721, 24.3957

Rectangle

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



21.9565, 23.5721, 30.9964



23.4681, 23.5721, 30.1024



22.8587, 23.5721, 20.9847



21.3737, 23.5721, 21.6884

Sweetspot

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



21.9572, 23.5731, 30.9969



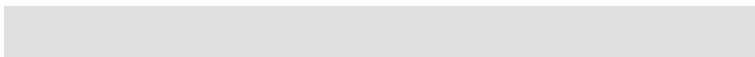
46.3476, 49.0765, 56.4645



22.7401, 26.7174, 26.3915



10.4883, 11.1146, 12.8774



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.



21.9572, 23.5731, 30.9969



37.4913, 40.3908, 55.2548



20.3553, 20.3694, 30.4630



5.7340, 6.1020, 7.3453



6.8581, 6.4111, 24.8070



0.1135, 0.1375, 0.3135

Inverse Universe

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



23.3659, 21.8720, 25.9129



40.4724, 36.9042, 44.4707



25.8505, 28.2178, 22.4970



5.9192, 5.8627, 6.6806



11.5888, 5.8406, 6.5814



0.1567, 0.0774, 0.1590

Previews

White Background



This preview shows how the XYZ color 21.9565, 23.5721, 30.9964 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 21.9565, 23.5721, 30.9964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

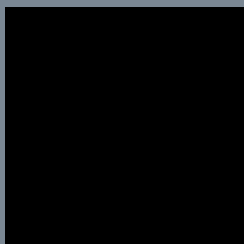
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

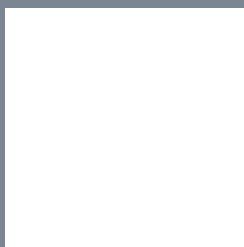
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9565, 23.5721, 30.9964

Background



This preview shows how black text looks on a background with the XYZ color 21.9565, 23.5721, 30.9964.

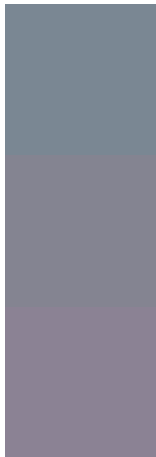


This preview shows how white text looks on a background with the XYZ color 21.9565, 23.5721,

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

21.9565, 23.5721, 30.9964

Protanopia

22.8778, 23.4524, 30.1090

Deuteranopia

23.9754, 23.5923, 31.3071



Tritanopia

21.8783, 23.5408, 30.5849

Trichromacy



Original Color

21.9565, 23.5721, 30.9964

Protanomaly

22.4779, 23.4396, 30.5337

Deuteranomaly

23.2694, 23.6272, 31.3510

Tritanomaly

21.8783, 23.5408, 30.5849

Monochromacy



Original Color

21.9565, 23.5721, 30.9964

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8050, 23.1704, 26.9900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9565, 23.5721, 30.9964 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(122, 135, 147)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 147)  
}
```

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(122, 135, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 147) }
```

Border

The CSS property to change the border of an element to XYZ 21.9565, 23.5721, 30.9964 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(122, 135, 147) }
```


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

```
.border{ border-color:rgb(122, 135, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 147);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9565, 23.5721, 30.9964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 147) }
```

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

```
.background{ background-color: rgb(122,  
135, 147) }
```

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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