

Converting Colors

XYZ(21.1988, 21.8612, 23.7992)

Have a look what the booklet for
XYZ(21.1988, 21.8612, 23.7992)
contains.

XYZ(21.1973, 21.9289, 23.8844)	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(21.1973, 21.9289,
23.8844)**

Conversions

Conversions Part 1

Format	Color
Hex	848081
RGB	132, 128, 129
RGB Percent	52%, 50%, 51%
CMY	0.4824, 0.4980, 0.4941
CMYK	0.00, 0.03, 0.02, 0.48
HSL	345°, 2%, 51%
HSV	345°, 3%, 52%
XYZ	21.1973, 21.9289, 23.8844
YIQ	129.3100, 2.0630, 1.1590

Conversions

Conversions Part 2

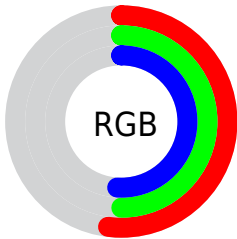
Format	Color
R_{YB}	132, 128, 129
Decimal	8683649
CIE _{Lab}	53.95, 1.70, -0.01
CIE _{LCh}	54, 1.700, 359.571
Yxy	21.9289, 0.3163, 0.3272
Android (android.graphics.Color)	4286873729 (0xFF848081)
YUV	129.3100, -0.1528, 2.3591
Hunter-Lab	46.8283, -1.1497, 2.5394

Details

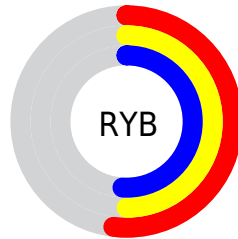
The XYZ color **21.1973, 21.9289, 23.8844** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.2509, 22.7308, 24.7412**, and the grayscale version is **20.9755, 22.0678, 24.0319**.

A 20% lighter version of the original color is **44.9750, 46.7394, 50.9071**, and **7.8112, 8.0102, 8.7238** is the 20% darker color. If you saturate the color by 10%, you get **18.9596, 18.4565, 20.0460**, and if you desaturate by 10%, it is **23.7241, 25.8768, 28.1347**.

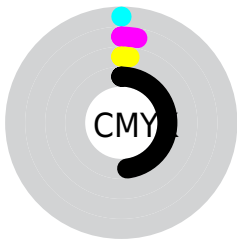
Distribution



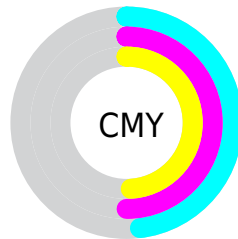
- Red (52%)
- Green (50%)
- Blue (51%)



- Red (52%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1973, 21.9289, 23.8844 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 21.1973, 21.9289, 23.8844 by changing the saturation by 10% instead.

■ 21.1973, 21.9289,
23.8844

■ 21.1973, 21.9289,
23.8844

251.0371,
262.1747, 285.5032

■ 13.3816, 13.8047,
15.0365

■ 44.9045, 46.6285,
50.7830

■ 7.7706, 7.9849,
8.6981

■ 61.5266, 63.9726,
69.6707

■ 3.9991, 4.0853,
4.4507

■ 81.8150, 85.1588,
92.7421

■ 1.7016, 1.7214,
1.8757

106.1349,
110.5714, 120.4157

■ 0.4573, 0.4375,
0.4772

134.8517,
140.5950, 153.1101

■ 0.0000, 0.0000,
0.0000

168.3308,

175.6138, 191.2438

206.9374,
216.0122, 235.2353

■ 21.1973, 21.9289,
23.8844

■ 21.1973, 21.9289,
23.8844

■ 18.9596, 18.4565,
20.0460

■ 23.7241, 25.8768,
28.1347

■ 16.9988, 15.4388,
16.6056

■ 26.5480, 30.3142,
32.8074

■ 15.3044, 12.8577,
13.5508

■ 29.6789, 35.2581,
37.9141

■ 13.8648, 10.6930,
10.8678

■ 33.1259, 40.7240,
43.4659

■ 12.6671, 8.9226,
8.5422

■ 36.8976, 46.7265,
49.4733

■ 11.6977, 7.5225,
6.5583

■ 41.0021, 53.2797,
55.9464

■ 10.9414, 6.4661,
4.8995

■ 45.4475, 60.3972,
62.8952

■ 10.3809, 5.7231,
3.5475

■ 50.2415, 68.0921,
70.3290

■ 9.9961, 5.2575,
2.4820

■ 55.3915, 76.3771,
78.2573

Harmonies

Analogous

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



21.1482, 21.9289, 24.3919



21.1973, 21.9289, 23.8844



21.1509, 21.9289, 23.3820

Triad

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



21.1973, 21.9289, 23.8844



20.6693, 21.9289, 23.0094



20.6647, 21.9289, 24.7581

Complementary

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



21.1973, 21.9289, 23.8844



21.2509, 22.7308, 24.7412

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.



20.5376, 21.9289, 24.3786



21.1973, 21.9289, 23.8844



20.5402, 21.9289, 23.3691

Square

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



21.1973, 21.9289, 23.8844



20.8454, 21.9289, 22.8813



20.4922, 21.9289, 23.8693



20.8401, 21.9289, 24.9008

Rectangle

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



21.1973, 21.9289, 23.8844



21.0722, 21.9289, 23.1165



20.4922, 21.9289, 23.8693



20.6150, 21.9289, 24.6537

Sweetspot

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



21.1979, 21.9298, 23.8849



38.1911, 39.9557, 43.5156



21.2448, 21.9306, 24.9432



8.8987, 9.3134, 10.1432



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



21.1979, 21.9298, 23.8849



36.8977, 37.9407, 41.3212



21.2629, 22.1654, 23.5810



4.9638, 5.0901, 5.5434



9.4805, 4.8566, 1.8370



0.0354, 0.0178, 0.0199

Inverse Universe

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



21.1979, 21.9298, 23.8849



36.8977, 37.9407, 41.3212



21.1840, 22.4883, 25.0541



4.9638, 5.0901, 5.5434



9.4805, 4.8566, 1.8370



0.0354, 0.0178, 0.0199

Previews

White Background



This preview shows how the XYZ color 21.1973, 21.9289, 23.8844 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 21.1973, 21.9289, 23.8844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

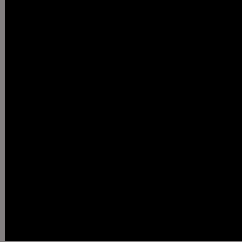
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1973, 21.9289, 23.8844

Background



This preview shows how black text looks on a background with the XYZ color 21.1973, 21.9289, 23.8844.



This preview shows how white text looks on a background with the XYZ color 21.1973, 21.9289,

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

21.1973, 21.9289, 23.8844

Protanopia

21.0417, 21.8486, 23.8771

Deuteranopia

22.3474, 21.9417, 24.1764



Tritanopia

21.7776, 21.9714, 26.7600

Trichromacy



Original Color

21.1973, 21.9289, 23.8844

Protanomaly

21.0417, 21.8486, 23.8771

Deuteranomaly

21.9714, 21.9367, 24.1953

Tritanomaly

21.5653, 21.8865, 25.6422

Monochromacy



Original Color

21.1973, 21.9289, 23.8844

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0186, 22.0313, 23.9135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1973, 21.9289, 23.8844 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(132, 128, 129)` looks like.

```
.text, #text, p{  
    color:rgb(132, 128, 129)  
}
```

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(132, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 128, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.1973, 21.9289, 23.8844 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(132, 128, 129) }
```


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

```
.border{ border-color:rgb(132, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 128, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 128, 129); box-shadow:4px 4px 4px 4px rgb(132, 128, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1973, 21.9289, 23.8844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 128, 129) }
```

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

```
.background{ background-color: rgb(132,  
128, 129) }
```

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