

Converting Colors

XYZ(20.6897, 21.5437, 25.1155)

Have a look what the booklet for
XYZ(20.6897, 21.5437, 25.1155)
contains.

XYZ(20.8549, 21.7210, 25.2837)	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(20.8549, 21.7210,
25.2837)**

Conversions

Conversions Part 1

Format	Color
Hex	808085
RGB	128, 128, 133
RGB Percent	50%, 50%, 52%
CMY	0.4980, 0.4980, 0.4784
CMYK	0.04, 0.04, 0.00, 0.48
HSL	240°, 2%, 51%
HSV	240°, 4%, 52%
XYZ	20.8549, 21.7210, 25.2837
YIQ	128.5700, -1.6050, 1.5550

Conversions

Conversions Part 2

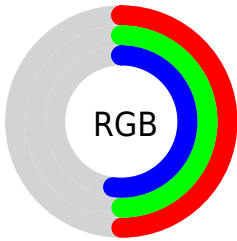
Format	Color
R _Y B	128, 128, 133
Decimal	8421509
CIE Lab	53.73, 1.01, -2.71
CIE LCh	54, 2.890, 290.549
Yxy	21.7210, 0.3073, 0.3201
Android (android.graphics.Color)	4286611589 (0xFF808085)
YUV	128.5700, 2.1840, -0.4999
Hunter-Lab	46.6058, -1.6860, 0.4592

Details

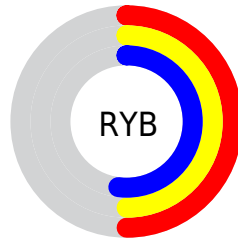
The XYZ color **20.8549, 21.7210, 25.2837** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.9567, 23.3199, 23.7664**, and the grayscale version is **20.7095, 21.7881, 23.7272**.

A 20% lighter version of the original color is **44.4429, 46.4167, 53.0713**, and **7.6207, 7.8943, 9.5096** is the 20% darker color. If you saturate the color by 10%, you get **17.3623, 17.5133, 24.6559**, and if you desaturate by 10%, it is **24.8383, 26.5202, 26.0004**.

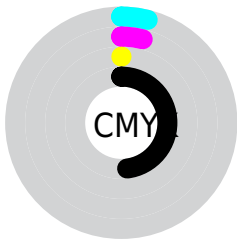
Distribution



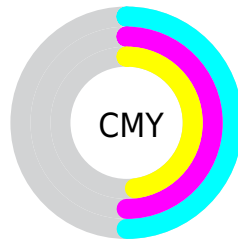
- Red (50%)
- Green (50%)
- Blue (52%)



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



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8549, 21.7210, 25.2837 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 20.8549, 21.7210, 25.2837 by changing the saturation by 10% instead.

■ 20.8549, 21.7210,
25.2837

■ 20.8549, 21.7210,
25.2837

249.2527,
261.0858, 292.7406

■ 13.1298, 13.6520,
16.0676

■ 44.3390, 46.2844,
53.0869

■ 7.5956, 7.8791,
9.4171

■ 60.8288, 63.5477,
72.5111

■ 3.8869, 4.0177,
4.9137

■ 80.9708, 84.6445,
96.1751

■ 1.6384, 1.6834,
2.1389

105.1305,
109.9593, 124.4974

■ 0.4172, 0.4129,
0.6388

133.6732,
139.8764, 157.8966

■ 0.0000, 0.0000,
0.0000

166.9642,

174.7803, 196.7911

205.3689,
215.0553, 241.5996

■ 20.8549, 21.7210,
25.2837

■ 20.8549, 21.7210,
25.2837

■ 17.3623, 17.5133,
24.6559

■ 24.8383, 26.5202,
26.0004

■ 14.3396, 13.8715,
24.1123

■ 29.3284, 31.9297,
26.8079

■ 11.7674, 10.7723,
23.6497

■ 34.3427, 37.9707,
27.7096

■ 9.6241, 8.1899,
23.2642

■ 39.8976, 44.6627,
28.7086

■ 7.8864, 6.0961,
22.9516

■ 46.0083, 52.0244,
29.8075

■ 6.5288, 4.4601,
22.7074

■ 52.6899, 60.0737,
31.0090

■ 5.5228, 3.2478,
22.5264

■ 59.9566, 68.8278,
32.3157

■ 4.8361, 2.4200,
22.4029

■ 67.8221, 78.3033,
33.7301

■ 4.4283, 1.9284,
22.3295

■ 76.2999, 88.5163,
35.2545

Harmonies

Analogous

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



20.5475, 21.7210, 25.3731



20.8549, 21.7210, 25.2837



21.1084, 21.7210, 24.7508

Triad

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



20.8549, 21.7210, 25.2837



21.0259, 21.7210, 22.3578



20.0633, 21.7210, 23.3715

Complementary

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



20.8549, 21.7210, 25.2837



21.9567, 23.3199, 23.7664

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.



20.1887, 21.7210, 22.5832



20.8549, 21.7210, 25.2837



20.7431, 21.7210, 22.0077

Square

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



20.8549, 21.7210, 25.2837



21.2078, 21.7210, 23.0569



20.4368, 21.7210, 22.0891



20.0925, 21.7210, 24.2542

Rectangle

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



20.8549, 21.7210, 25.2837



21.2118, 21.7210, 24.2230



20.4368, 21.7210, 22.0891



20.0887, 21.7210, 23.0871

Sweetspot

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



20.8555, 21.7219, 25.2842



39.2108, 41.1439, 45.6133



21.5178, 23.0558, 25.4765



8.8450, 9.2827, 10.2783



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.



20.8555, 21.7219, 25.2842



36.4497, 37.8174, 45.1168



21.2231, 21.9110, 25.3013



4.7394, 4.9120, 5.8991



4.0332, 1.6143, 21.2357



0.0140, 0.0056, 0.0736

Inverse Universe

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



21.2888, 21.9838, 23.5444



37.4960, 38.4498, 40.9157



21.5798, 23.1260, 23.7488



4.8856, 5.0004, 5.3118



9.2139, 4.7499, 0.4328



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 20.8549, 21.7210, 25.2837 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 20.8549, 21.7210, 25.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

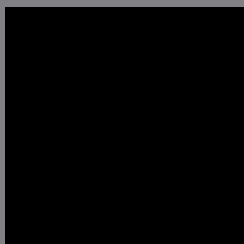
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

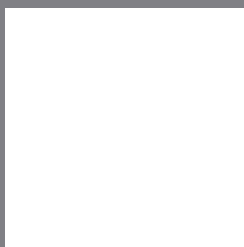
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8549, 21.7210, 25.2837

Background



This preview shows how black text looks on a background with the XYZ color 20.8549, 21.7210, 25.2837.



This preview shows how white text looks on a background with the XYZ color 20.8549, 21.7210,

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

20.8549, 21.7210, 25.2837

Protanopia

21.0061, 21.7989, 25.2908

Deuteranopia

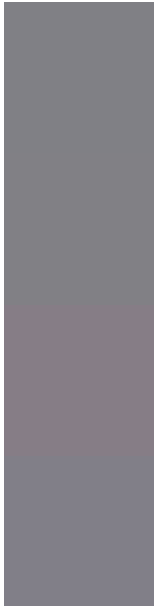
21.9920, 21.5398, 25.5528



Tritanopia

21.1580, 21.6520, 26.7310

Trichromacy



Original Color

20.8549, 21.7210, 25.2837

Protanomaly

21.0061, 21.7989, 25.2908

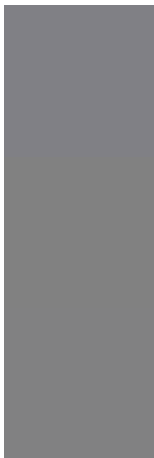
Deuteranomaly

21.4682, 21.4568, 25.5643

Tritanomaly

21.0866, 21.6234, 26.3549

Monochromacy



Original Color

20.8549, 21.7210, 25.2837

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.9328, 21.9793, 24.2583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8549, 21.7210, 25.2837 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(128, 128, 133)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 133)  
}
```

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(128, 128, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.8549, 21.7210, 25.2837 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(128, 128, 133) }
```


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

```
.border{ border-color:rgb(128, 128, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 133);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8549, 21.7210, 25.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 133) }
```

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

```
.background{ background-color: rgb(128,  
128, 133) }
```

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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