

Converting Colors

XYZ(21.9717, 23.2217, 25.4148)

Have a look what the booklet for
XYZ(21.9717, 23.2217, 25.4148)
contains.

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Color

**XYZ(21.9812, 23.2938,
25.5279)**

Conversions

Conversions Part 1

Format	Color
Hex	838585
RGB	131, 133, 133
RGB Percent	51%, 52%, 52%
CMY	0.4863, 0.4784, 0.4784
CMYK	0.02, 0.00, 0.00, 0.48
HSL	180°, 1%, 52%
HSV	180°, 2%, 52%
XYZ	21.9812, 23.2938, 25.5279
YIQ	132.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

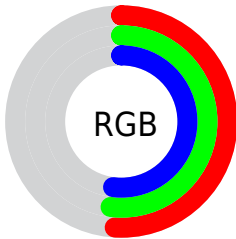
Format	Color
R_{YB}	131, 132, 133
Decimal	8619397
CIE Lab	55.37, -0.74, -0.27
CIE LCh	55, 0.784, 199.841
Yxy	23.2938, 0.3105, 0.3290
Android (android.graphics.Color)	4286809477 (0xFF838585)
YUV	132.4020, 0.2948, -1.2296
Hunter-Lab	48.2637, -3.1653, 2.4245

Details

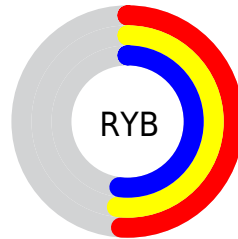
The XYZ color **21.9812, 23.2938, 25.5279** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.8867, 22.8584, 24.7324**, and the grayscale version is **22.0771, 23.2269, 25.2940**.

A 20% lighter version of the original color is **46.1890, 48.8533, 53.4496**, and **8.2502, 8.7746, 9.6463** is the 20% darker color. If you saturate the color by 10%, you get **20.0512, 22.2996, 25.4323**, and if you desaturate by 10%, it is **24.1770, 24.4263, 25.6369**.

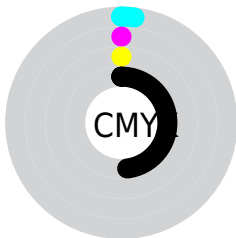
Distribution



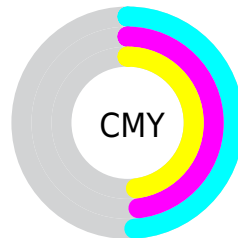
- Red (51%)
- Green (52%)
- Blue (52%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9812, 23.2938, 25.5279 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 21.9812, 23.2938, 25.5279 by changing the saturation by 10% instead.

■ 21.9812, 23.2938,
25.5279

■ 21.9812, 23.2938,
25.5279

255.0823,
269.2304, 293.9882

■ 13.9596, 14.8106,
16.2482

■ 46.1940, 48.8753,
53.4870

■ 8.1741, 8.6866,
9.5437

■ 63.1159, 66.7424,
73.0036

■ 4.2593, 4.5373,
4.9959

■ 83.7354, 88.5062,
96.7695

■ 1.8498, 1.9784,
2.1861

108.4176,
114.5512, 125.2032

■ 0.5474, 0.5949,
0.6664

137.5281,
145.2617, 158.7235

■ 0.0000, 0.0000,
0.0000

171.4321,

181.0222, 197.7487

210.4951,
222.2169, 242.6974

■ 21.9812, 23.2938,
25.5279

■ 21.9812, 23.2938,
25.5279

■ 20.0512, 22.2996,
25.4323

■ 24.1770, 24.4263,
25.6369

■ 18.3749, 21.4356,
25.3480

■ 26.6462, 25.6991,
25.7583

■ 16.9426, 20.6973,
25.2752

■ 29.3982, 27.1177,
25.8929

■ 15.7427, 20.0789,
25.2133

■ 32.4417, 28.6865,
26.0411

■ 14.7631, 19.5740,
25.1616

■ 35.7850, 30.4099,
26.2033

■ 13.9903, 19.1758,
25.1197

■ 39.4358, 32.2919,
26.3800

■ 13.4095, 18.8765,
25.0867

■ 43.4019, 34.3363,
26.5714

■ 13.0039, 18.6675,
25.0620

■ 47.6904, 36.5470,
26.7779

■ 12.7537, 18.5387,
25.0445

■ 52.3087, 38.9277,
26.9998

Harmonies

Analogous

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



21.9738, 23.2938, 25.2776



21.9812, 23.2938, 25.5279



22.0311, 23.2938, 25.7353

Triad

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



21.9812, 23.2938, 25.5279



22.2697, 23.2938, 25.6769



22.1699, 23.2938, 24.8887

Complementary

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



21.9812, 23.2938, 25.5279



21.8867, 22.8584, 24.7324

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.



22.2494, 23.2938, 24.9943



21.9812, 23.2938, 25.5279



22.3071, 23.2938, 25.4486

Square

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



21.9812, 23.2938, 25.5279



22.1976, 23.2938, 25.8218



22.2997, 23.2938, 25.1988



22.0826, 23.2938, 24.9097

Rectangle

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



21.9812, 23.2938, 25.5279



22.0818, 23.2938, 25.8208



22.2997, 23.2938, 25.1988



22.1985, 23.2938, 24.9106

Sweetspot

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



21.9819, 23.2948, 25.5284



39.9242, 42.0033, 45.7416



21.8501, 23.2427, 24.8076



8.9945, 9.4630, 10.3052



64.0503, 67.3860, 73.3833

Same Dimension

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



21.9819, 23.2948, 25.5284



39.1645, 41.6117, 45.7040



21.8501, 23.0310, 25.4853



5.1362, 5.4514, 5.9820



12.0114, 17.5874, 23.8431



0.0416, 0.0609, 0.0827

Inverse Universe

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



21.8867, 22.8584, 24.7324



38.9338, 40.5537, 43.7742



22.0172, 23.1195, 24.7751



5.1093, 5.3277, 5.7564



9.2145, 4.7501, 0.4357



0.0319, 0.0165, 0.0016

Previews

White Background



This preview shows how the XYZ color 21.9812, 23.2938, 25.5279 looks on a white background.

Color Contrast Check

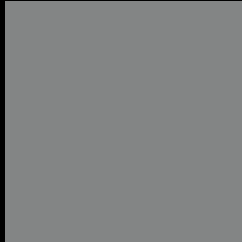
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9812, 23.2938, 25.5279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

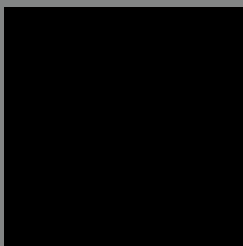
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

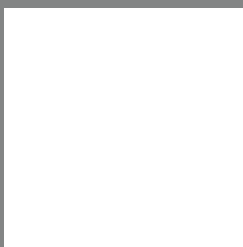
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9812, 23.2938, 25.5279

Background



This preview shows how black text looks on a background with the XYZ color 21.9812, 23.2938, 25.5279.



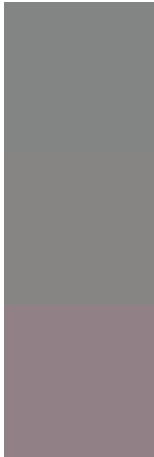
This preview shows how white text looks on a background with the XYZ color 21.9812, 23.2938,

25.5279.

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

21.9812, 23.2938, 25.5279

Protanopia

22.4078, 23.3194, 25.1499

Deuteranopia

23.6993, 23.1793, 25.7792



Tritanopia

22.6495, 23.3611, 28.9066

Trichromacy



Original Color

21.9812, 23.2938, 25.5279

Protanomaly

22.2476, 23.2368, 25.1424

Deuteranomaly

23.1009, 23.2619, 25.8267

Tritanomaly

22.4272, 23.2721, 27.7360

Monochromacy



Original Color

21.9812, 23.2938, 25.5279

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9318, 23.0740, 25.1276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9812, 23.2938, 25.5279 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(131, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(131, 133, 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(131, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 133, 133) }
```

Border

The CSS property to change the border of an element to XYZ 21.9812, 23.2938, 25.5279 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(131, 133, 133) }
```

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

```
.border{ border-color:rgb(131, 133, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 133, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(131, 133,  
133) }
```


Background

The CSS property to change the background color of an element to XYZ 21.9812, 23.2938, 25.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 133, 133) }
```

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

```
.background{ background-color: rgb(131,  
133, 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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