

Converting Colors

XYZ(23.7637, 25.5573, 32.7255)

Have a look what the booklet for
XYZ(23.7637, 25.5573, 32.7255)
contains.

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Color

**XYZ(23.7852, 25.5474,
32.5317)**

Conversions

Conversions Part 1

Format	Color
Hex	808C96
RGB	128, 140, 150
RGB Percent	50%, 55%, 59%
CMY	0.4980, 0.4510, 0.4118
CMYK	0.15, 0.07, 0.00, 0.41
HSL	207°, 9%, 55%
HSV	207°, 15%, 59%
XYZ	23.7852, 25.5474, 32.5317
YIQ	137.5520, -10.3620, 0.5660

Conversions

Conversions Part 2

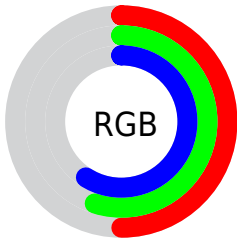
Format	Color
RYB	128, 136, 150
Decimal	8424598
CIELab	57.60, -2.18, -6.80
CIELCh	58, 7.140, 252.232
Yxy	25.5474, 0.2905, 0.3121
Android (android.graphics.Color)	4286614678 (0xFF808C96)
YUV	137.5520, 6.1369, -8.3771
Hunter-Lab	50.5444, -4.4542, -2.7795

Details

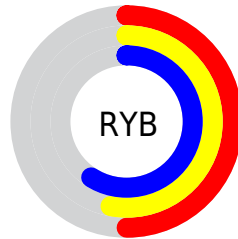
The XYZ color **23.7852, 25.5474, 32.5317** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.5626, 26.2194, 24.1361**, and the grayscale version is **23.9678, 25.2160, 27.4603**.

A 20% lighter version of the original color is **49.2469, 52.7670, 64.7162**, and **9.1327, 9.8754, 13.2292** is the 20% darker color. If you saturate the color by 10%, you get **20.7284, 22.5390, 32.1125**, and if you desaturate by 10%, it is **27.2388, 28.8533, 32.9882**.

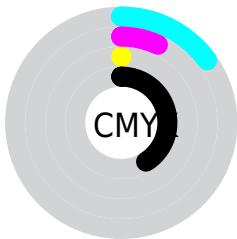
Distribution



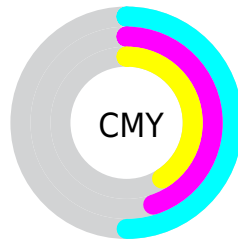
- Red (50%)
- Green (55%)
- Blue (59%)



- Red (50%)
- Yellow (53%)
- Blue (59%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (41%)



- Cyan (50%)
- Magenta (45%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7852, 25.5474, 32.5317 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 23.7852, 25.5474, 32.5317 by changing the saturation by 10% instead.

■ 23.7852, 25.5474,
32.5317

■ 23.7852, 25.5474,
32.5317

264.1934,
280.5532, 328.1013

■ 15.2982, 16.4854,
21.4998

■ 49.1367, 52.5439,
64.7513

■ 9.1166, 9.8683,
13.2950

■ 66.7319, 71.2471,
86.7760

■ 4.8751, 5.3117,
7.4989

■ 88.0939, 93.9329,
113.3020

■ 2.2081, 2.4313,
3.6929

113.5881,
120.9855, 144.7480

■ 0.7470, 0.8419,
1.4584

143.5798,
152.7895, 181.5323

■ 0.0000, 0.0000,
0.1867

178.4343,

■ 0.0000, 0.0000,

189.7292, 224.0736

0.0000

218.5171,
232.1889, 272.7904

■ 23.7852, 25.5474,
32.5317

■ 23.7852, 25.5474,
32.5317

■ 20.7284, 22.5390,
32.1125

■ 27.2388, 28.8533,
32.9882

■ 18.0504, 19.8152,
31.7279

■ 31.1017, 32.4628,
33.4813

■ 15.7353, 17.3667,
31.3774

■ 35.3886, 36.3857,
34.0125

■ 13.7648, 15.1825,
31.0596

■ 40.1129, 40.6303,
34.5828

■ 12.1191, 13.2504,
30.7734

■ 45.2871, 45.2046,
35.1931

■ 10.7760, 11.5572,
30.5174

■ 50.9235, 50.1165,
35.8441

■ 9.7104, 10.0881,
30.2900

■ 57.0337, 55.3733,
36.5367

■ 8.8908, 8.8247,
30.0893

■ 63.6289, 60.9822,
37.2717

■ 8.5098, 8.2115,
29.9910

■ 67.7145, 65.4008,
37.9093

Harmonies

Analogous

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



23.0883, 25.5474, 31.0933



23.7852, 25.5474, 32.5317



24.6310, 25.5474, 32.6621

Triad

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



23.7852, 25.5474, 32.5317



25.9197, 25.5474, 26.8338



23.1967, 25.5474, 24.4833

Complementary

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



23.7852, 25.5474, 32.5317



25.5626, 26.2194, 24.1361

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.



23.9363, 25.5474, 23.4760



23.7852, 25.5474, 32.5317



25.5162, 25.5474, 24.7789

Square

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



23.7852, 25.5474, 32.5317



25.8769, 25.5474, 29.2742



24.7857, 25.5474, 23.5810



22.7541, 25.5474, 26.4085

Rectangle

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



23.7852, 25.5474, 32.5317



25.1669, 25.5474, 31.9803



24.7857, 25.5474, 23.5810



23.4181, 25.5474, 24.0313

Sweetspot

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



23.7860, 25.5485, 32.5323



48.4500, 51.2782, 58.2653



24.3891, 28.2344, 28.1716



10.6372, 11.2695, 12.8994



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.



23.7860, 25.5485, 32.5323



39.9064, 43.0681, 57.1309



22.2710, 22.5186, 32.0273



5.7459, 6.1258, 7.3493



7.0901, 6.8751, 24.8844



0.1163, 0.1432, 0.3144

Inverse Universe

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



25.0311, 23.8164, 28.0899



42.6111, 39.4225, 47.4550



27.2060, 29.5063, 24.6839



5.9252, 5.8651, 6.7122



11.7058, 5.8874, 7.1980



0.1582, 0.0780, 0.1665

Previews

White Background



This preview shows how the XYZ color 23.7852, 25.5474, 32.5317 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 23.7852, 25.5474, 32.5317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

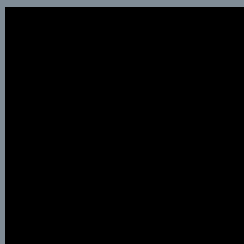
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

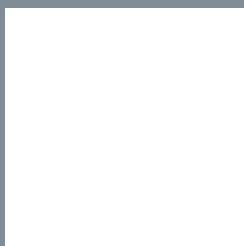
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7852, 25.5474, 32.5317

Background



This preview shows how black text looks on a background with the XYZ color 23.7852, 25.5474, 32.5317.

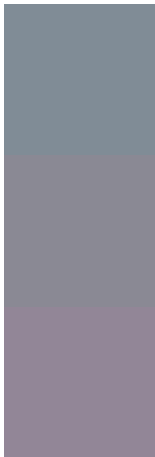


This preview shows how white text looks on a background with the XYZ color 23.7852, 25.5474,

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

23.7852, 25.5474, 32.5317

Protanopia

24.7722, 25.4327, 31.6203

Deuteranopia

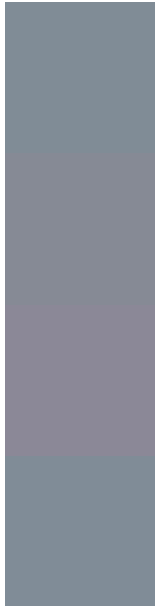
25.9651, 25.3956, 32.8115



Tritanopia

23.8661, 25.5797, 32.9577

Trichromacy



Original Color

23.7852, 25.5474, 32.5317

Protanomaly

24.3448, 25.4152, 32.0563

Deuteranomaly

25.0375, 25.3317, 32.8480

Tritanomaly

23.8661, 25.5797, 32.9577

Monochromacy



Original Color

23.7852, 25.5474, 32.5317

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.9466, 25.4866, 29.2485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7852, 25.5474, 32.5317 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, 140, 150)` looks like.

```
.text, #text, p{  
    color:rgb(128, 140, 150)  
}
```

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, 140, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 140, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.7852, 25.5474, 32.5317 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, 140, 150) }
```


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

```
.border{ border-color:rgb(128, 140, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 140, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 140, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 140, 150);  
box-shadow:4px 4px 4px 4px rgb(128, 140,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7852, 25.5474, 32.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 140, 150) }
```

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

```
.background{ background-color: rgb(128,  
140, 150) }
```

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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