

Converting Colors

XYZ(23.5647, 24.7121, 33.6717)

Have a look what the booklet for
XYZ(23.5647, 24.7121, 33.6717)
contains.

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Color

**XYZ(23.5975, 24.7804,
33.6764)**

Conversions

Conversions Part 1

Format	Color
Hex	808999
RGB	128, 137, 153
RGB Percent	50%, 54%, 60%
CMY	0.4980, 0.4627, 0.4000
CMYK	0.16, 0.10, 0.00, 0.40
HSL	218°, 11%, 55%
HSV	218°, 16%, 60%
XYZ	23.5975, 24.7804, 33.6764
YIQ	136.1330, -10.5000, 3.0680

Conversions

Conversions Part 2

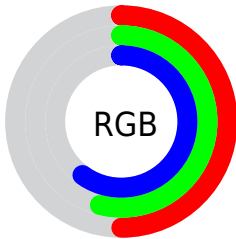
Format	Color
R_{YB}	128, 135, 153
Decimal	8423833
CIE Lab	56.86, 0.20, -9.63
CIE LCh	57, 9.634, 271.175
Yxy	24.7804, 0.2876, 0.3020
Android (android.graphics.Color)	4286613913 (0xFF808999)
YUV	136.1330, 8.3154, -7.1326
Hunter-Lab	49.7799, -2.4993, -5.2641

Details

The XYZ color **23.5975, 24.7804, 33.6764** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.0066, 28.2773, 24.4572**, and the grayscale version is **23.4248, 24.6447, 26.8381**.

A 20% lighter version of the original color is **48.7320, 51.1557, 66.3371**, and **9.0309, 9.4380, 13.9161** is the 20% darker color. If you saturate the color by 10%, you get **20.1383, 21.0244, 33.1341**, and if you desaturate by 10%, it is **27.5315, 28.9700, 34.2781**.

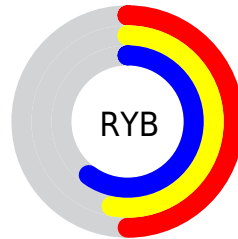
Distribution



Red (50%)

Green (54%)

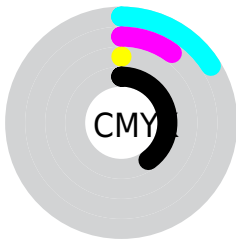
Blue (60%)



Red (50%)

Yellow (53%)

Blue (60%)

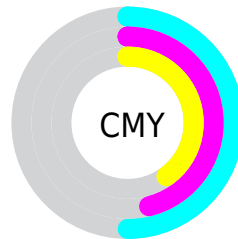


Cyan (16%)

Magenta (10%)

Yellow (0%)

Black (40%)



Cyan (50%)

Magenta (46%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5975, 24.7804, 33.6764 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 23.5975, 24.7804, 33.6764 by changing the saturation by 10% instead.

■ 23.5975, 24.7804,
33.6764

■ 23.5975, 24.7804,
33.6764

263.2576,
276.7425, 333.4117

■ 15.1584, 15.9135,
22.3698

■ 48.8320, 51.3007,
66.5583

■ 9.0177, 9.4630,
13.9279

■ 66.3582, 69.7230,
88.9706

■ 4.8099, 5.0444,
7.9324

■ 87.6442, 92.0992,
115.9218

■ 2.1698, 2.2733,
3.9646

113.0552,
118.8136, 147.8306

■ 0.7267, 0.7595,
1.6059

142.9567,
150.2508, 185.1155

■ 0.0000, 0.0000,
0.2950

177.7141,

■ 0.0000, 0.0000,

186.7951, 228.1949

0.0000

217.6926,
228.8309, 277.4875

■ 23.5975, 24.7804,
33.6764

■ 23.5975, 24.7804,
33.6764

■ 20.1383, 21.0244,
33.1341

■ 27.5315, 28.9700,
34.2781

■ 17.1329, 17.6843,
32.6478

■ 31.9559, 33.6040,
34.9394

■ 14.5620, 14.7456,
32.2161

■ 36.8882, 38.6967,
35.6624

■ 12.4036, 12.1915,
31.8369

■ 42.3443, 44.2608,
36.4488

■ 10.6341, 10.0042,
31.5079

■ 48.3396, 50.3085,
37.3002

■ 9.2271, 8.1640,
31.2269

■ 54.8885, 56.8514,
38.2179

■ 8.1524, 6.6491,
30.9912

■ 62.0053, 63.9010,
39.2035

■ 7.3673, 5.4307,
30.7974

■ 69.7033, 71.4680,
40.2584

■ 7.1204, 5.0410,
30.7351

■ 73.9481, 77.4764,
41.1944

Harmonies

Analogous

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



22.5233, 24.7804, 32.7941



23.5975, 24.7804, 33.6764



24.6930, 24.7804, 32.6493

Triad

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



23.5975, 24.7804, 33.6764



25.4568, 24.7804, 23.8940



21.7045, 24.7804, 24.0979

Complementary

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



23.5975, 24.7804, 33.6764



27.0066, 28.2773, 24.4572

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.



22.4487, 24.7804, 22.0111



23.5975, 24.7804, 33.6764



24.6137, 24.7804, 21.9001

Square

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



23.5975, 24.7804, 33.6764



25.7874, 24.7804, 26.8546



23.5086, 24.7804, 21.2387



21.4516, 24.7804, 27.1091

Rectangle

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



23.5975, 24.7804, 33.6764



25.2824, 24.7804, 31.0639



23.5086, 24.7804, 21.2387



21.9043, 24.7804, 23.2737

Sweetspot

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



23.5982, 24.7814, 33.6770



50.2398, 52.8670, 61.5284



25.3151, 29.3807, 30.6561



10.9863, 11.5606, 13.5699



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.5982, 24.7814, 33.6770



39.6478, 41.5596, 59.9041



22.8812, 22.5907, 33.2919



6.0575, 6.3723, 7.8397



5.9142, 4.2250, 25.4115



0.1209, 0.1281, 0.3907

Inverse Universe

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



25.3720, 24.0173, 26.9666



43.5313, 40.0003, 45.1871



27.8044, 30.7939, 24.9009



6.2961, 6.2576, 6.9395



11.4440, 5.8318, 3.5969



0.1875, 0.0937, 0.1400

Previews

White Background



This preview shows how the XYZ color 23.5975, 24.7804, 33.6764 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 23.5975, 24.7804, 33.6764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

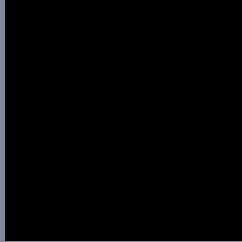
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

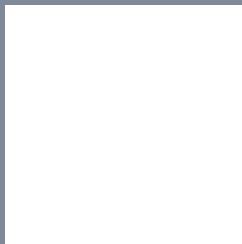
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5975, 24.7804, 33.6764

Background



This preview shows how black text looks on a background with the XYZ color 23.5975, 24.7804, 33.6764.



This preview shows how white text looks on a background with the XYZ color 23.5975, 24.7804,

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

23.5975, 24.7804, 33.6764

Protanopia

24.1630, 24.6633, 33.1927

Deuteranopia

25.2048, 24.7709, 34.0247



Tritanopia

23.2657, 24.8589, 32.0058

Trichromacy



Original Color

23.5975, 24.7804, 33.6764

Protanomaly

23.9874, 24.7809, 33.2247

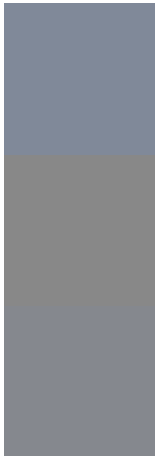
Deuteranomaly

24.5112, 24.6175, 34.0316

Tritanomaly

23.3459, 24.8910, 32.4281

Monochromacy



Original Color

23.5975, 24.7804, 33.6764

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.3595, 24.5479, 29.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5975, 24.7804, 33.6764 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, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(128, 137, 153)  
}
```

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, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 23.5975, 24.7804, 33.6764 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, 137, 153) }
```


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

```
.border{ border-color:rgb(128, 137, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 137, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(128, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5975, 24.7804, 33.6764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 137, 153) }
```

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

```
.background{ background-color: rgb(128,  
137, 153) }
```

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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