

Converting Colors

XYZ(21.8664, 23.9617, 32.2314)

Have a look what the booklet for
XYZ(21.8664, 23.9617, 32.2314)
contains.

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Color

**XYZ(21.9219, 23.9449,
32.3206)**

Conversions

Conversions Part 1

Format	Color
Hex	768996
RGB	118, 137, 150
RGB Percent	46%, 54%, 59%
CMY	0.5372, 0.4627, 0.4118
CMYK	0.21, 0.09, 0.00, 0.41
HSL	204°, 13%, 53%
HSV	204°, 21%, 59%
XYZ	21.9219, 23.9449, 32.3206
YIQ	132.8010, -15.4970, 0.0150

Conversions

Conversions Part 2

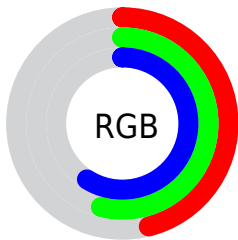
Format	Color
R_{YB}	118, 130, 150
Decimal	7768470
CIE Lab	56.03, -3.85, -9.22
CIE LCh	56, 9.993, 247.316
Yxy	23.9449, 0.2804, 0.3063
Android (android.graphics.Color)	4285958550 (0xFF768996)
YUV	132.8010, 8.4791, -12.9805
Hunter-Lab	48.9335, -5.6668, -4.9076

Details

The XYZ color **21.9219, 23.9449, 32.3206** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.9642, 24.0247, 20.5142**, and the grayscale version is **22.1968, 23.3527, 25.4311**.

A 20% lighter version of the original color is **46.1071, 49.8445, 64.3176**, and **8.1146, 8.9825, 13.1105** is the 20% darker color. If you saturate the color by 10%, you get **19.2030, 21.2941, 31.9526**, and if you desaturate by 10%, it is **25.0151, 26.8625, 32.7211**.

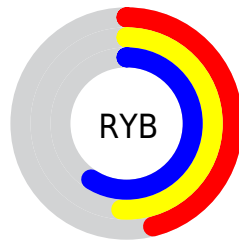
Distribution



Red (46%)

Green (54%)

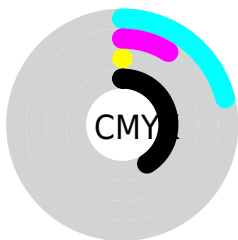
Blue (59%)



Red (46%)

Yellow (51%)

Blue (59%)

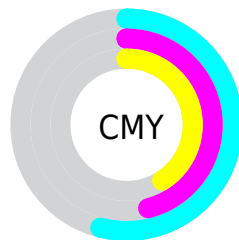


Cyan (21%)

Magenta (9%)

Yellow (0%)

Black (41%)



Cyan (54%)

Magenta (46%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9219, 23.9449, 32.3206 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 21.9219, 23.9449, 32.3206 by changing the saturation by 10% instead.

■ 21.9219, 23.9449,
32.3206

■ 21.9219, 23.9449,
32.3206

254.7782,
272.5418, 327.1147

■ 13.9158, 15.2928,
21.3397

■ 46.0967, 49.9403,
64.4171

■ 8.1434, 9.0251,
13.1788

■ 62.9961, 68.0523,
86.3697

■ 4.2394, 4.7576,
7.4196

■ 83.5907, 90.0864,
112.8166

■ 1.8385, 2.1057,
3.6435

108.2457,
116.4269, 144.1764

■ 0.5407, 0.6678,
1.4319

137.3267,
147.4584, 180.8676

■ 0.0000, 0.0000,
0.1664

171.1988,

■ 0.0000, 0.0000,

183.5651, 223.3086

0.0000

210.2275,
225.1314, 271.9182

■ 21.9219, 23.9449,
32.3206

■ 21.9219, 23.9449,
32.3206

■ 19.2030, 21.2941,
31.9526

■ 25.0151, 26.8625,
32.7211

■ 16.8402, 18.8978,
31.6146

■ 28.4955, 30.0528,
33.1535

■ 14.8169, 16.7466,
31.3061

■ 32.3781, 33.5254,
33.6191

■ 13.1142, 14.8297,
31.0258

■ 36.6761, 37.2882,
34.1189

■ 11.7111, 13.1350,
30.7726

■ 41.4025, 41.3489,
34.6536

■ 10.5840, 11.6489,
30.5452

■ 46.5695, 45.7149,
35.2240

■ 9.7052, 10.3558,
30.3419

■ 52.1887, 50.3933,
35.8308

■ 9.0834, 9.3587,
30.1822

■ 58.2714, 55.3908,
36.4748

■ 64.8285, 60.7141,
37.1567

Harmonies

Analogous

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



21.0555, 23.9449, 30.0764



21.9219, 23.9449, 32.3206



23.0399, 23.9449, 32.8259

Triad

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



21.9219, 23.9449, 32.3206



25.0089, 23.9449, 25.2786



21.4525, 23.9449, 21.3800

Complementary

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



21.9219, 23.9449, 32.3206



23.9642, 24.0247, 20.5142

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.



22.4802, 23.9449, 20.3144



21.9219, 23.9449, 32.3206



24.5518, 23.9449, 22.4397

Square

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



21.9219, 23.9449, 32.3206



24.8473, 23.9449, 28.5752



23.6170, 23.9449, 20.6855



20.7909, 23.9449, 23.7193

Rectangle

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



21.9219, 23.9449, 32.3206



23.7824, 23.9449, 32.0731



23.6170, 23.9449, 20.6855



21.7653, 23.9449, 20.8703

Sweetspot

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



21.9226, 23.9459, 32.3211



47.2613, 50.2803, 58.1354



22.4612, 27.2980, 25.4874



10.3964, 11.0719, 12.8740



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.



21.9226, 23.9459, 32.3211



36.1217, 39.7774, 56.6952



19.8384, 19.7775, 31.6264



5.7685, 6.1710, 7.3568



7.5655, 7.8258, 25.0428



0.1216, 0.1538, 0.3162

Inverse Universe

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



23.5721, 21.2476, 26.5269



39.6563, 34.2418, 44.2233



26.2508, 28.5978, 21.2764



5.9366, 5.8697, 6.7723



11.9458, 5.9834, 8.4615



0.1609, 0.0791, 0.1807

Previews

White Background



This preview shows how the XYZ color 21.9219, 23.9449, 32.3206 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 21.9219, 23.9449, 32.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

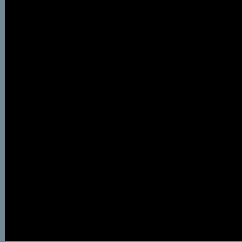
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

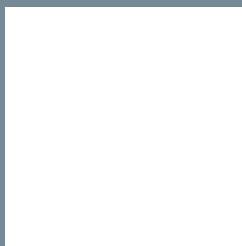
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9219, 23.9449, 32.3206

Background



This preview shows how black text looks on a background with the XYZ color 21.9219, 23.9449, 32.3206.



This preview shows how white text looks on a background with the XYZ color 21.9219, 23.9449,

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

21.9219, 23.9449, 32.3206

Protanopia

23.2485, 23.8187, 31.3891

Deuteranopia

24.3497, 23.9559, 32.6187



Tritanopia

21.7622, 23.8810, 31.4795

Trichromacy



Original Color

21.9219, 23.9449, 32.3206

Protanomaly

22.7023, 23.7321, 31.8180

Deuteranomaly

23.3335, 23.8347, 32.6489

Tritanomaly

21.8417, 23.9128, 31.8982

Monochromacy



Original Color

21.9219, 23.9449, 32.3206

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0874, 23.5035, 27.7986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9219, 23.9449, 32.3206 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(118, 137, 150)` looks like.

```
.text, #text, p{  
    color:rgb(118, 137, 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(118, 137, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 137, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.9219, 23.9449, 32.3206 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(118, 137, 150) }
```


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

```
.border{ border-color:rgb(118, 137, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 137, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 137, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 137, 150);  
box-shadow:4px 4px 4px 4px rgb(118, 137,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9219, 23.9449, 32.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 137, 150) }
```

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

```
.background{ background-color: rgb(118,  
137, 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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