

Converting Colors

XYZ(21.9749, 23.6389, 32.2589)

Have a look what the booklet for
XYZ(21.9749, 23.6389, 32.2589)
contains.

XYZ(21.9147, 23.5230, 32.2395)	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(21.9147, 23.5230,
32.2395)**

Conversions

Conversions Part 1

Format	Color
Hex	788796
RGB	120, 135, 150
RGB Percent	47%, 53%, 59%
CMY	0.5294, 0.4706, 0.4118
CMYK	0.20, 0.10, 0.00, 0.41
HSL	210°, 12%, 53%
HSV	210°, 20%, 59%
XYZ	21.9147, 23.5230, 32.2395
YIQ	132.2250, -13.7550, 1.4850

Conversions

Conversions Part 2

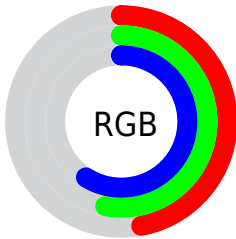
Format	Color
R_{YB}	120, 130, 150
Decimal	7899030
CIE _{Lab}	55.61, -2.05, -9.84
CIE _{LCh}	56, 10.054, 258.217
Yxy	23.5230, 0.2821, 0.3028
Android (android.graphics.Color)	4286089110 (0xFF788796)
YUV	132.2250, 8.7631, -10.7213
Hunter-Lab	48.5005, -4.2216, -5.4612

Details

The XYZ color **21.9147, 23.5230, 32.2395** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.6320, 25.1680, 21.3295**, and the grayscale version is **21.9868, 23.1318, 25.1905**.

A 20% lighter version of the original color is **46.1159, 49.2103, 64.1947**, and **8.0992, 8.7374, 13.0640** is the 20% darker color. If you saturate the color by 10%, you get **18.9855, 20.5146, 31.8136**, and if you desaturate by 10%, it is **25.2449, 26.8488, 32.7063**.

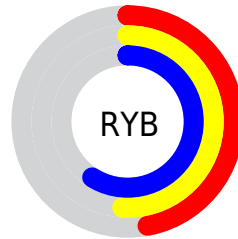
Distribution



Red (47%)

Green (53%)

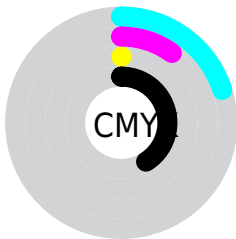
Blue (59%)



Red (47%)

Yellow (51%)

Blue (59%)

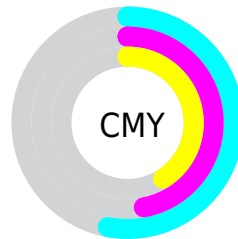


Cyan (20%)

Magenta (10%)

Yellow (0%)

Black (41%)



Cyan (53%)

Magenta (47%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9147, 23.5230, 32.2395 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 21.9147, 23.5230, 32.2395 by changing the saturation by 10% instead.

■ 21.9147, 23.5230,
32.2395

■ 21.9147, 23.5230,
32.2395

254.7412,
270.4000, 326.7351

■ 13.9105, 14.9802,
21.2782

■ 46.0849, 49.2507,
64.2886

■ 8.1397, 8.8055,
13.1343

■ 62.9816, 67.2043,
86.2135

■ 4.2370, 4.6145,
7.3893

■ 83.5731, 89.0636,
112.6300

■ 1.8371, 2.0229,
3.6246

108.2249,
115.2131, 143.9566

■ 0.5399, 0.6207,
1.4217

137.3022,
146.0371, 180.6118

■ 0.0000, 0.0000,
0.1586

171.1705,

■ 0.0000, 0.0000,

181.9199, 223.0143

0.0000

210.1950,
223.2461, 271.5826

■ 21.9147, 23.5230,
32.2395

■ 21.9147, 23.5230,
32.2395

■ 18.9855, 20.5146,
31.8136

■ 25.2449, 26.8488,
32.7063

■ 16.4387, 17.8098,
31.4257

■ 28.9896, 30.4993,
33.2136

■ 14.2569, 15.3981,
31.0752

■ 33.1643, 34.4852,
33.7629

■ 12.4208, 13.2671,
30.7607

■ 37.7830, 38.8157,
34.3553

■ 10.9090, 11.4033,
30.4806

■ 42.8589, 43.4997,
34.9919

■ 9.6973, 9.7917,
30.2334

■ 48.4049, 48.5457,
35.6736

■ 8.7579, 8.4151,
30.0172

■ 54.4331, 53.9620,
36.4013

■ 8.0218, 7.2354,
29.8283

■ 60.9554, 59.7564,
37.1760

■ 8.0218, 7.2354,
29.8283

■ 67.9821, 65.9361,
37.9984

Harmonies

Analogous

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



20.9334, 23.5230, 30.5677



21.9147, 23.5230, 32.2395



23.0479, 23.5230, 32.0280

Triad

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



21.9147, 23.5230, 32.2395



24.4982, 23.5230, 23.7057



20.7679, 23.5230, 21.6653

Complementary

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



21.9147, 23.5230, 32.2395



24.6320, 25.1680, 21.3295

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.



21.6818, 23.5230, 20.1166



21.9147, 23.5230, 32.2395



23.8456, 23.5230, 21.2241

Square

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



21.9147, 23.5230, 32.2395



24.5657, 23.5230, 26.9117



22.8070, 23.5230, 19.9623



20.2865, 23.5230, 24.3559

Rectangle

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



21.9147, 23.5230, 32.2395



23.7370, 23.5230, 30.8501



22.8070, 23.5230, 19.9623



21.0333, 23.5230, 21.0041

Sweetspot

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



21.9154, 23.5240, 32.2400



47.0276, 49.8128, 58.0575



22.9906, 27.5414, 26.8423



10.3400, 10.9591, 12.8552



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.



21.9154, 23.5240, 32.2400



36.2769, 39.0706, 56.5506



20.0280, 19.7491, 31.6109



5.7247, 6.0834, 7.3422



6.6851, 6.0650, 24.7494



0.1112, 0.1331, 0.3127

Inverse Universe

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



23.6679, 21.6668, 25.8574



39.9829, 35.3230, 43.0126



26.7950, 29.4939, 22.0505



5.9145, 5.8609, 6.6558



11.5014, 5.8056, 6.1215



0.1556, 0.0770, 0.1531

Previews

White Background



This preview shows how the XYZ color 21.9147, 23.5230, 32.2395 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 21.9147, 23.5230, 32.2395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

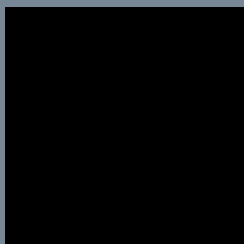
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

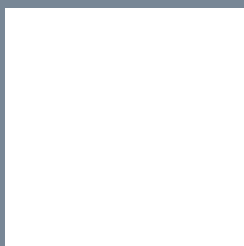
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9147, 23.5230, 32.2395

Background



This preview shows how black text looks on a background with the XYZ color 21.9147, 23.5230, 32.2395.



This preview shows how white text looks on a background with the XYZ color 21.9147, 23.5230,

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

21.9147, 23.5230, 32.2395

Protanopia

22.9566, 23.4659, 31.3364

Deuteranopia

23.8851, 23.5180, 32.5587



Tritanopia

21.6002, 23.6056, 30.6120

Trichromacy



Original Color

21.9147, 23.5230, 32.2395

Protanomaly

22.5647, 23.4570, 31.7721

Deuteranomaly

23.1973, 23.5622, 32.6035

Tritanomaly

21.6784, 23.6368, 31.0236

Monochromacy



Original Color

21.9147, 23.5230, 32.2395

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9498, 23.2283, 27.7527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9147, 23.5230, 32.2395 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(120, 135, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 135, 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(120, 135, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 135, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.9147, 23.5230, 32.2395 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(120, 135, 150) }
```


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

```
.border{ border-color:rgb(120, 135, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 135, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 135, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 135, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 135,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9147, 23.5230, 32.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 135, 150) }
```

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

```
.background{ background-color: rgb(120,  
135, 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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