

Converting Colors

XYZ(22.3272, 17.4598, 32.7652)

Have a look what the booklet for
XYZ(22.3272, 17.4598, 32.7652)
contains.

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Color

**XYZ(22.3272, 17.4598,
32.7652)**

Conversions

Conversions Part 1

Format	Color
Hex	93639A
RGB	147, 99, 154
RGB Percent	58%, 39%, 60%
CMY	0.4235, 0.6118, 0.3961
CMYK	0.05, 0.36, 0.00, 0.40
HSL	292°, 22%, 50%
HSV	292°, 36%, 60%
XYZ	22.3272, 17.4598, 32.7652
YIQ	119.6220, 10.9530, 27.2810

Conversions

Conversions Part 2

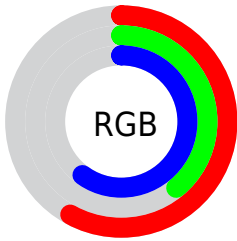
Format	Color
R_{YB}	147, 99, 154
Decimal	9659290
CIE _{Lab}	48.83, 29.05, -22.24
CIE _{LCh}	49, 36.587, 322.564
Yxy	17.4598, 0.3077, 0.2407
Android (android.graphics.Color)	4287849370 (0xFF93639A)
YUV	119.6220, 16.9484, 24.0105
Hunter-Lab	41.7849, 22.2554, -17.2422

Details

The XYZ color **22.3272, 17.4598, 32.7652** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.7522, 27.0767, 15.9905**, and the grayscale version is **17.6778, 18.5984, 20.2537**.

A 20% lighter version of the original color is **46.9324, 39.2932, 65.4323**, and **8.3513, 5.7798, 13.5074** is the 20% darker color. If you saturate the color by 10%, you get **20.6567, 14.6358, 32.3084**, and if you desaturate by 10%, it is **24.2830, 20.8448, 33.3158**.

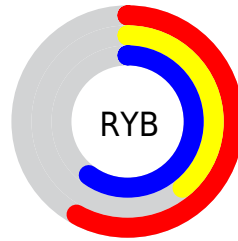
Distribution



Red (58%)

Green (39%)

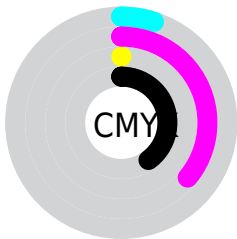
Blue (60%)



Red (58%)

Yellow (39%)

Blue (60%)

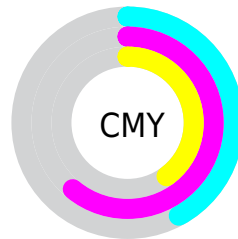


Cyan (5%)

Magenta (36%)

Yellow (0%)

Black (40%)



Cyan (42%)

Magenta (61%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3272, 17.4598, 32.7652 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 22.3272, 17.4598, 32.7652 by changing the saturation by 10% instead.

■ 22.3272, 17.4598,
32.7652

■ 22.3272, 17.4598,
32.7652

256.8506,
237.8083, 329.1899

■ 14.2155, 10.5629,
21.6770

■ 46.7610, 39.1147,
65.1206

■ 8.3534, 5.7737,
13.4237

■ 63.8138, 54.6414,
87.2248

■ 4.3756, 2.7080,
7.5868

■ 84.5777, 73.8134,
113.8381

■ 1.9167, 0.9812,
3.7478

■ 109.4180, 97.0153,
145.3790

■ 0.5865, 0.0000,
1.4880

138.7001,
124.6313, 182.2661

■ 0.0000, 0.0000,
0.2090

172.7893,

■ 0.0000, 0.0000,

157.0459, 224.9180

0.0000

212.0511,
194.6434, 273.7530

■ 22.3272, 17.4598,
32.7652

■ 22.3272, 17.4598,
32.7652

■ 20.6567, 14.6358,
32.3084

■ 24.2830, 20.8448,
33.3158

■ 19.2540, 12.3389,
31.9390

■ 26.5371, 24.8179,
33.9638

■ 18.1021, 10.5348,
31.6515

■ 29.1037, 29.4069,
34.7143

■ 17.1814, 9.1843,
31.4393

■ 31.9955, 34.6373,
35.5715

■ 16.4693, 8.2425,
31.2951

■ 35.2246, 40.5333,
36.5393

■ 15.9350, 7.6474,
31.2084

■ 38.8024, 47.1175,
37.6216

■ 15.7284, 7.4345,
31.1782

■ 42.7398, 54.4118,
38.8221

■ 47.0472, 62.4368,
40.1440

■ 51.7345, 71.2126,
41.5909

Harmonies

Analogous

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



19.2238, 17.4598, 41.9839



22.3272, 17.4598, 32.7652



23.9335, 17.4598, 21.5303

Triad

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



22.3272, 17.4598, 32.7652



17.4529, 17.4598, 5.8583



11.2744, 17.4598, 27.1109

Complementary

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



22.3272, 17.4598, 32.7652



19.7522, 27.0767, 15.9905

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.



10.9346, 17.4598, 16.6959



22.3272, 17.4598, 32.7652



14.2175, 17.4598, 6.4580

Square

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



22.3272, 17.4598, 32.7652



20.8808, 17.4598, 7.7070



11.9389, 17.4598, 9.7715



12.9399, 17.4598, 38.0189

Rectangle

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



22.3272, 17.4598, 32.7652



23.8045, 17.4598, 15.2323



11.9389, 17.4598, 9.7715



11.0115, 17.4598, 23.3675

Sweetspot

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



22.3278, 17.4606, 32.7656



50.2291, 48.6866, 62.2864



16.1675, 15.3634, 32.6855



11.2392, 10.7880, 14.0603



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.3278, 17.4606, 32.7656



38.0483, 27.4622, 58.8317



22.0803, 17.5110, 24.7101



6.3839, 6.2838, 7.8054



12.8350, 6.0677, 25.4024



0.2107, 0.1004, 0.3806

Inverse Universe

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



20.3904, 16.8350, 15.8112



34.0758, 26.2044, 22.9503



20.0416, 27.1002, 21.6806



6.2392, 6.2348, 6.6398



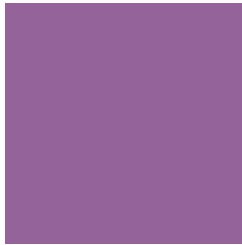
10.9653, 5.6404, 1.0766



0.1712, 0.0872, 0.0544

Previews

White Background



This preview shows how the XYZ color 22.3272, 17.4598, 32.7652 looks on a white 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

Black Background



This preview shows how the XYZ color 22.3272, 17.4598, 32.7652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

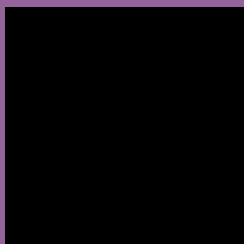
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 22.3272, 17.4598, 32.7652

Background



This preview shows how black text looks on a background with the XYZ color 22.3272, 17.4598, 32.7652.



This preview shows how white text looks on a background with the XYZ color 22.3272, 17.4598,

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

22.3272, 17.4598, 32.7652

Protanopia

18.2692, 17.7240, 38.5346

Deuteranopia

17.9099, 17.5202, 31.7159



Tritanopia

19.5075, 17.5040, 18.5701

Trichromacy



Original Color

22.3272, 17.4598, 32.7652

Protanomaly

19.3263, 17.3278, 36.5084

Deuteranomaly

19.3045, 17.4152, 32.0498

Tritanomaly

20.4144, 17.4149, 23.0543

Monochromacy



Original Color

22.3272, 17.4598, 32.7652

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1649, 18.0001, 24.2941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3272, 17.4598, 32.7652 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(147, 99, 154)` looks like.

```
.text, #text, p{  
    color:rgb(147, 99, 154)  
}
```

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(147, 99, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 99, 154) }
```

Border

The CSS property to change the border of an element to XYZ 22.3272, 17.4598, 32.7652 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(147, 99, 154) }
```


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

```
.border{ border-color:rgb(147, 99, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 99, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 99, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 99, 154);  
box-shadow:4px 4px 4px 4px rgb(147, 99,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3272, 17.4598, 32.7652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 99, 154) }
```

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

```
.background{ background-color: rgb(147, 99,  
154) }
```

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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