

Converting Colors

XYZ(20.3254, 22.2819, 23.7025)

Have a look what the booklet for
XYZ(20.3254, 22.2819, 23.7025)
contains.

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Color

**XYZ(20.3159, 22.2720,
23.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8480
RGB	123, 132, 128
RGB Percent	48%, 52%, 50%
CMY	0.5176, 0.4823, 0.4980
CMYK	0.07, 0.00, 0.03, 0.48
HSL	153°, 4%, 50%
HSV	153°, 7%, 52%
XYZ	20.3159, 22.2720, 23.6502
YIQ	128.8530, -4.0800, -3.1520

Conversions

Conversions Part 2

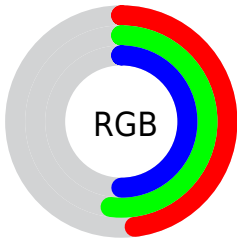
Format	Color
R_{YB}	123, 129, 132
Decimal	8094848
CIE Lab	54.31, -4.13, 1.01
CIE LCh	54, 4.248, 166.266
Yxy	22.2720, 0.3067, 0.3362
Android (android.graphics.Color)	4286284928 (0xFF7B8480)
YUV	128.8530, -0.4205, -5.1331
Hunter-Lab	47.1932, -5.7468, 3.3229

Details

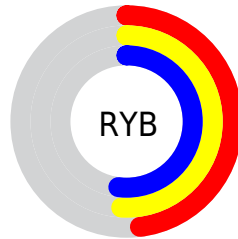
The XYZ color **20.3159, 22.2720, 23.6502** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4302, 20.6043, 22.9800**, and the grayscale version is **20.8178, 21.9019, 23.8512**.

A 20% lighter version of the original color is **43.3686, 47.1481, 50.5308**, and **7.3286, 8.2069, 8.5950** is the 20% darker color. If you saturate the color by 10%, you get **18.1784, 21.2140, 21.5920**, and if you desaturate by 10%, it is **22.7317, 23.4721, 25.8390**.

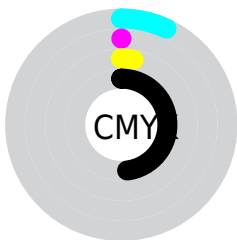
Distribution



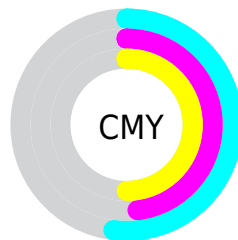
- Red (48%)
- Green (52%)
- Blue (50%)



- Red (48%)
- Yellow (51%)
- Blue (52%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3159, 22.2720, 23.6502 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 20.3159, 22.2720, 23.6502 by changing the saturation by 10% instead.

■ 20.3159, 22.2720,
23.6502

■ 20.3159, 22.2720,
23.6502

246.4213,
263.9634, 284.2766

■ 12.7345, 14.0569,
14.8645

■ 43.4461, 47.1951,
50.3954

■ 7.3217, 8.1602,
8.5788

■ 59.7256, 64.6720,
69.1921

■ 3.7122, 4.1977,
4.3745

■ 79.6351, 86.0048,
92.1628

■ 1.5406, 1.7847,
1.8329

103.5401,
111.5781, 119.7262

■ 0.3532, 0.4776,
0.4495

131.8058,
141.7762, 152.3007

■ 0.0000, 0.0000,
0.0000

164.7977,

176.9836, 190.3049

202.8811,
217.5845, 234.1573

■ 20.3159, 22.2720,
23.6502

■ 20.3159, 22.2720,
23.6502

■ 18.1784, 21.2140,
21.5920

■ 22.7317, 23.4721,
25.8390

■ 16.3067, 20.2900,
19.6604

■ 25.4338, 24.8165,
28.1594

■ 14.6904, 19.4951,
17.8535

■ 28.4323, 26.3111,
30.6140

■ 13.3174, 18.8231,
16.1686

■ 31.7361, 27.9603,
33.2052

■ 12.1748, 18.2676,
14.6031

■ 35.3538, 29.7686,
35.9351

■ 11.2482, 17.8210,
13.1539

■ 39.2937, 31.7402,
38.8058

■ 10.5218, 17.4753,
11.8183

■ 43.5636, 33.8792,
41.8195

■ 9.9772, 17.2211,
10.5929

■ 48.1713, 36.1894,
44.9781

■ 9.5805, 17.0410,
9.4738

■ 53.1242, 38.6747,
48.2836

Harmonies

Analogous

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



20.5322, 22.2720, 22.5304



20.3159, 22.2720, 23.6502



20.3258, 22.2720, 24.9715

Triad

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



20.3159, 22.2720, 23.6502



21.4192, 22.2720, 26.7809



21.7902, 22.2720, 22.4547

Complementary

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



20.3159, 22.2720, 23.6502



20.4302, 20.6043, 22.9800

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.



22.0349, 22.2720, 23.5434



20.3159, 22.2720, 23.6502



21.8186, 22.2720, 26.0558

Square

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



20.3159, 22.2720, 23.6502



20.9582, 22.2720, 26.8121



22.0454, 22.2720, 24.8607



21.3809, 22.2720, 21.8574

Rectangle

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



20.3159, 22.2720, 23.6502



20.4592, 22.2720, 25.7899



22.0454, 22.2720, 24.8607



21.8947, 22.2720, 22.7735

Sweetspot

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



20.3165, 22.2729, 23.6507



37.7551, 40.2089, 43.4704



20.5870, 22.4495, 21.9873



8.8040, 9.3684, 10.1334



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.3165, 22.2729, 23.6507



35.2457, 38.9640, 41.1524



20.5244, 22.2586, 25.0455



4.7165, 5.2448, 5.5182



9.1666, 16.4495, 8.8626



0.0354, 0.0585, 0.0501

Inverse Universe

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



20.4302, 20.6043, 22.9800



35.4838, 35.4703, 39.7482



20.2304, 20.6139, 21.6518



4.7522, 4.7206, 5.3075



9.9727, 5.0534, 4.4286



0.0381, 0.0189, 0.0342

Previews

White Background



This preview shows how the XYZ color 20.3159, 22.2720, 23.6502 looks on a white background.

Color Contrast Check

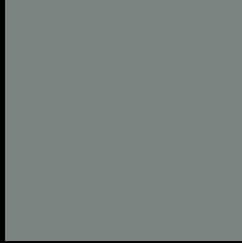
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3159, 22.2720, 23.6502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

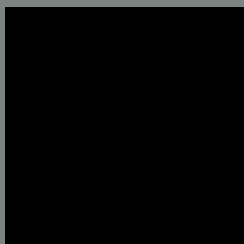
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

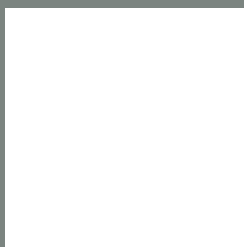
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3159, 22.2720, 23.6502

Background



This preview shows how black text looks on a background with the XYZ color 20.3159, 22.2720, 23.6502.



This preview shows how white text looks on a background with the XYZ color 20.3159, 22.2720,

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

20.3159, 22.2720, 23.6502

Protanopia

21.2890, 22.1934, 22.9004

Deuteranopia

22.5786, 22.2575, 23.8750



Tritanopia

21.1737, 22.2187, 27.9836

Trichromacy



Original Color

20.3159, 22.2720, 23.6502

Protanomaly

20.8667, 22.1647, 23.2571

Deuteranomaly

21.6733, 22.1742, 23.9066

Tritanomaly

20.8724, 22.2953, 26.4959

Monochromacy



Original Color

20.3159, 22.2720, 23.6502

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6975, 22.0623, 23.9364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3159, 22.2720, 23.6502 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(123, 132, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 132, 128)  
}
```

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(123, 132, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 132, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.3159, 22.2720, 23.6502 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(123, 132, 128) }
```


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

```
.border{ border-color:rgb(123, 132, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 132, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 132, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 132, 128);  
box-shadow:4px 4px 4px 4px rgb(123, 132,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3159, 22.2720, 23.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 132, 128) }
```

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

```
.background{ background-color: rgb(123,  
132, 128) }
```

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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