

Converting Colors

XYZ(20.3286, 22.4737, 23.7860)

Have a look what the booklet for
XYZ(20.3286, 22.4737, 23.7860)
contains.

XYZ(20.3099, 22.4711, 23.6890)	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(20.3099, 22.4711,
23.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8580
RGB	122, 133, 128
RGB Percent	48%, 52%, 50%
CMY	0.5216, 0.4784, 0.4980
CMYK	0.08, 0.00, 0.04, 0.48
HSL	153°, 4%, 50%
HSV	153°, 8%, 52%
XYZ	20.3099, 22.4711, 23.6890
YIQ	129.1410, -4.9510, -3.8870

Conversions

Conversions Part 2

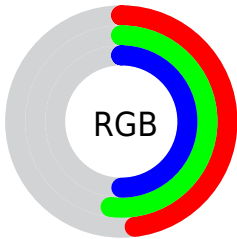
Format	Color
R_{YB}	122, 129, 133
Decimal	8029568
CIE Lab	54.52, -5.06, 1.30
CIE LCh	55, 5.222, 165.550
Yxy	22.4711, 0.3055, 0.3381
Android (android.graphics.Color)	4286219648 (0xFF7A8580)
YUV	129.1410, -0.5625, -6.2627
Hunter-Lab	47.4037, -6.4789, 3.5537

Details

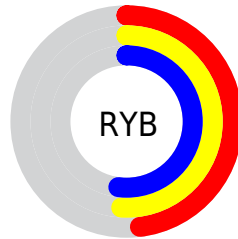
The XYZ color **20.3099, 22.4711, 23.6890** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4640, 20.4386, 22.9463**, and the grayscale version is **20.9193, 22.0087, 23.9675**.

A 20% lighter version of the original color is **43.3550, 47.4527, 50.5903**, and **7.3293, 8.3216, 8.6171** is the 20% darker color. If you saturate the color by 10%, you get **18.1679, 21.4121, 21.5728**, and if you desaturate by 10%, it is **22.7347, 23.6744, 25.9432**.

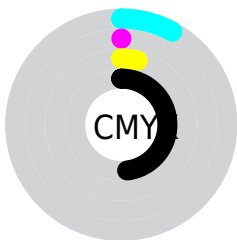
Distribution



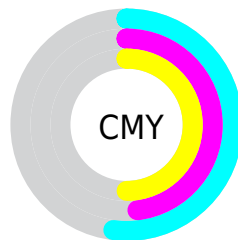
- Red (48%)
- Green (52%)
- Blue (50%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3099, 22.4711, 23.6890 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 20.3099, 22.4711, 23.6890 by changing the saturation by 10% instead.

■ 20.3099, 22.4711,
23.6890

■ 20.3099, 22.4711,
23.6890

246.3896,
264.9967, 284.4801

■ 12.7301, 14.2035,
14.8930

■ 43.4361, 47.5234,
50.4597

■ 7.3187, 8.2623,
8.5985

■ 59.7133, 65.0769,
69.2714

■ 3.7103, 4.2633,
4.3871

■ 79.6202, 86.4944,
92.2589

■ 1.5396, 1.8219,
1.8400

103.5223,
112.1603, 119.8405

■ 0.3525, 0.5008,
0.4541

131.7850,
142.4592, 152.4349

■ 0.0000, 0.0000,
0.0000

164.7735,

177.7752, 190.4607

202.8532,
218.4929, 234.3362

■ 20.3099, 22.4711,
23.6890

■ 20.3099, 22.4711,
23.6890

■ 18.1679, 21.4121,
21.5728

■ 22.7347, 23.6744,
25.9432

■ 16.2960, 20.4890,
19.5905

■ 25.4505, 25.0243,
28.3365

■ 14.6832, 19.6969,
17.7399

■ 28.4678, 26.5267,
30.8719

■ 13.3172, 19.0294,
16.0181

■ 31.7957, 28.1865,
33.5518

■ 12.1846, 18.4797,
14.4221

■ 35.4430, 30.0080,
36.3786

■ 11.2704, 18.0401,
12.9489

■ 39.4183, 31.9955,
39.3545

■ 10.5583, 17.7022,
11.5953

■ 43.7297, 34.1534,
42.4818

■ 10.0289, 17.4561,
10.3577

■ 48.3850, 36.4855,
45.7627

■ 9.6385, 17.2794,
9.2314

■ 53.3918, 38.9957,
49.1992

Harmonies

Analogous

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



20.5820, 22.4711, 22.3255



20.3099, 22.4711, 23.6890



20.3152, 22.4711, 25.3220

Triad

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



20.3099, 22.4711, 23.6890



21.6545, 22.4711, 27.6314



22.1382, 22.4711, 22.2853

Complementary

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



20.3099, 22.4711, 23.6890



20.4640, 20.4386, 22.9463

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.



22.4361, 22.4711, 23.6319



20.3099, 22.4711, 23.6890



22.1535, 22.4711, 26.7417

Square

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



20.3099, 22.4711, 23.6890



21.0846, 22.4711, 27.6484



22.4418, 22.4711, 25.2623



21.6339, 22.4711, 21.5399

Rectangle

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



20.3099, 22.4711, 23.6890



20.4751, 22.4711, 26.3461



22.4418, 22.4711, 25.2623



22.2662, 22.4711, 22.6799

Sweetspot

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



20.3105, 22.4721, 23.6895



39.0127, 41.5510, 44.9047



20.6735, 22.7034, 21.7055



8.8033, 9.3681, 10.1297



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.



20.3105, 22.4721, 23.6895



35.5809, 39.8501, 41.6607



20.5979, 22.5068, 25.4499



4.7146, 5.2441, 5.5083



9.1241, 16.4325, 8.6390



0.0353, 0.0584, 0.0493

Inverse Universe

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



20.4640, 20.4386, 22.9463



35.9165, 35.4053, 40.0362



20.1911, 20.4017, 21.2866



4.7541, 4.7213, 5.3172



10.0063, 5.0669, 4.6057



0.0383, 0.0190, 0.0349

Previews

White Background



This preview shows how the XYZ color 20.3099, 22.4711, 23.6890 looks on a white background.

Color Contrast Check

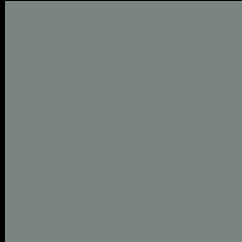
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3099, 22.4711, 23.6890 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

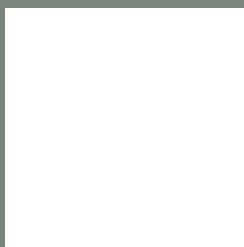
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3099, 22.4711, 23.6890

Background



This preview shows how black text looks on a background with the XYZ color 20.3099, 22.4711, 23.6890.



This preview shows how white text looks on a background with the XYZ color 20.3099, 22.4711,

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

20.3099, 22.4711, 23.6890

Protanopia

21.5800, 22.5400, 22.9519

Deuteranopia

22.7510, 22.3463, 23.8830



Tritanopia

21.2362, 22.4408, 28.4115

Trichromacy



Original Color

20.3099, 22.4711, 23.6890

Protanomaly

21.1530, 22.5107, 23.3088

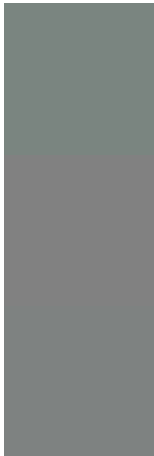
Deuteranomaly

21.8044, 22.4364, 23.9503

Tritanomaly

20.8636, 22.4911, 26.5341

Monochromacy



Original Color

20.3099, 22.4711, 23.6890

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5493, 21.9859, 23.9295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3099, 22.4711, 23.6890 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(122, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(122, 133, 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(122, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 133, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.3099, 22.4711, 23.6890 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(122, 133, 128) }
```


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

```
.border{ border-color:rgb(122, 133, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 133, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(122, 133,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3099, 22.4711, 23.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 133, 128) }
```

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

```
.background{ background-color: rgb(122,  
133, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor