

Converting Colors

XYZ(20.4462, 22.9992, 24.5167)

Have a look what the booklet for
XYZ(20.4462, 22.9992, 24.5167)
contains.

XYZ(20.4390, 22.9327, 24.4683)	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(20.4390, 22.9327,
24.4683)**

Conversions

Conversions Part 1

Format	Color
Hex	788782
RGB	120, 135, 130
RGB Percent	47%, 53%, 51%
CMY	0.5294, 0.4706, 0.4902
CMYK	0.11, 0.00, 0.04, 0.47
HSL	160°, 6%, 50%
HSV	160°, 11%, 53%
XYZ	20.4390, 22.9327, 24.4683
YIQ	129.9450, -7.3350, -4.7350

Conversions

Conversions Part 2

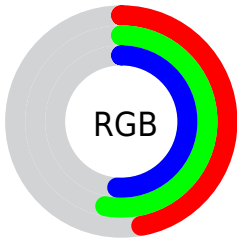
Format	Color
R_{YB}	120, 129, 135
Decimal	7899010
CIE Lab	55.00, -6.49, 0.83
CIE LCh	55, 6.544, 172.756
Yxy	22.9327, 0.3013, 0.3380
Android (android.graphics.Color)	4286089090 (0xFF788782)
YUV	129.9450, 0.0271, -8.7218
Hunter-Lab	47.8881, -7.6190, 3.2276

Details

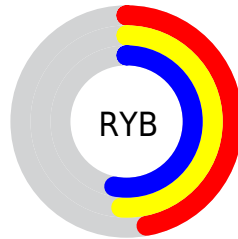
The XYZ color **20.4390, 22.9327, 24.4683** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4107, 20.0652, 22.2004**, and the grayscale version is **21.2009, 22.3050, 24.2902**.

A 20% lighter version of the original color is **43.5437, 48.1560, 51.7998**, and **7.3322, 8.4307, 9.0254** is the 20% darker color. If you saturate the color by 10%, you get **18.4017, 21.9172, 22.8304**, and if you desaturate by 10%, it is **22.7549, 24.0915, 26.1892**.

Distribution



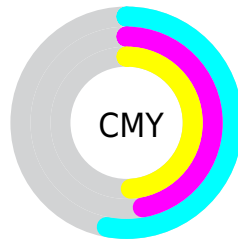
- Red (47%)
- Green (53%)
- Blue (51%)



- Red (47%)
- Yellow (51%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4390, 22.9327, 24.4683 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 20.4390, 22.9327, 24.4683 by changing the saturation by 10% instead.

■ 20.4390, 22.9327,
24.4683

■ 20.4390, 22.9327,
24.4683

247.0704,
267.3791, 288.5420

■ 12.8247, 14.5438,
15.4660

■ 43.6503, 48.2828,
51.7467

■ 7.3841, 8.4999,
8.9968

■ 59.9780, 66.0128,
70.8598

■ 3.7519, 4.4164,
4.6423

■ 79.9409, 87.6253,
94.1803

■ 1.5628, 1.9091,
1.9839

103.9043,
113.5047, 122.1267

■ 0.3679, 0.5539,
0.5454

132.2336,
144.0354, 155.1176

■ 0.0000, 0.0000,
0.0000

165.2942,

179.6018, 193.5713

203.4513,
220.5882, 237.9067

■ 20.4390, 22.9327,
24.4683

■ 20.4390, 22.9327,
24.4683

■ 18.4017, 21.9172,
22.8304

■ 22.7549, 24.0915,
26.1892

■ 16.6298, 21.0364,
21.2726

■ 25.3578, 25.3962,
27.9930

■ 15.1120, 20.2851,
19.7939

■ 28.2585, 26.8527,
29.8814

■ 13.8355, 19.6568,
18.3929

■ 31.4663, 28.4661,
31.8557

■ 12.7864, 19.1441,
17.0679

■ 34.9904, 30.2408,
33.9172

■ 11.9489, 18.7392,
15.8173

■ 38.8392, 32.1814,
36.0670

■ 11.3056, 18.4330,
14.6394

■ 43.0213, 34.2920,
38.3063

■ 10.8359, 18.2149,
13.5320

■ 47.5445, 36.5770,
40.6364

■ 10.5094, 18.0668,
12.6038

■ 52.4167, 39.0401,
43.0582

Harmonies

Analogous

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



20.7026, 22.9327, 22.6239



20.4390, 22.9327, 24.4683



20.5327, 22.9327, 26.5510

Triad

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



20.4390, 22.9327, 24.4683



22.3422, 22.9327, 28.8475



22.6540, 22.9327, 21.9158

Complementary

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



20.4390, 22.9327, 24.4683



20.4107, 20.0652, 22.2004

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.



23.1118, 22.9327, 23.4527



20.4390, 22.9327, 24.4683



22.9290, 22.9327, 27.4725

Square

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



20.4390, 22.9327, 24.4683



21.6210, 22.9327, 29.1566



23.2135, 22.9327, 25.4781



21.9736, 22.9327, 21.2043

Rectangle

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



20.4390, 22.9327, 24.4683



20.7862, 22.9327, 27.7882



23.2135, 22.9327, 25.4781



22.8397, 22.9327, 22.3488

Sweetspot

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



20.4396, 22.9337, 24.4688



39.8972, 42.7156, 46.2837



20.5489, 23.0638, 21.1385



9.1655, 9.8553, 10.6647



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.4396, 22.9337, 24.4688



35.7649, 40.6500, 43.1651



20.4730, 22.4499, 26.1770



4.7374, 5.2532, 5.6281



9.6968, 16.6616, 11.6550



0.0370, 0.0591, 0.0583

Inverse Universe

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



20.4107, 20.0652, 22.2004



35.7038, 34.5945, 38.3768



20.3729, 20.4882, 20.6506



4.7319, 4.7124, 5.2005



9.6563, 4.9269, 2.7625



0.0366, 0.0183, 0.0260

Previews

White Background



This preview shows how the XYZ color 20.4390, 22.9327, 24.4683 looks on a white background.

Color Contrast Check

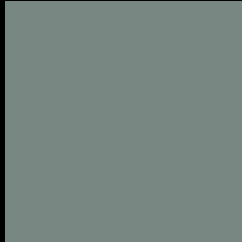
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4390, 22.9327, 24.4683 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

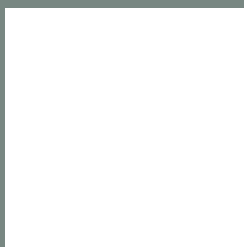
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4390, 22.9327, 24.4683

Background



This preview shows how black text looks on a background with the XYZ color 20.4390, 22.9327, 24.4683.



This preview shows how white text looks on a background with the XYZ color 20.4390, 22.9327,

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

20.4390, 22.9327, 24.4683

Protanopia

22.0043, 22.9420, 23.6906

Deuteranopia

23.2558, 22.7740, 24.9999



Tritanopia

21.4476, 22.9262, 29.6804

Trichromacy



Original Color

20.4390, 22.9327, 24.4683

Protanomaly

21.4196, 22.8333, 24.0472

Deuteranomaly

22.0710, 22.7549, 24.7016

Tritanomaly

21.0705, 22.9792, 27.7510

Monochromacy



Original Color

20.4390, 22.9327, 24.4683

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8847, 22.5499, 24.3709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4390, 22.9327, 24.4683 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(120, 135, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 135, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.4390, 22.9327, 24.4683 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, 130) }
```


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

```
.border{ border-color:rgb(120, 135, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 135, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 135, 130);  
box-shadow:4px 4px 4px 4px rgb(120, 135,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4390, 22.9327, 24.4683 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, 130) }
```

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

```
.background{ background-color: rgb(120,  
135, 130) }
```

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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