

Converting Colors

XYZ(20.4736, 22.4115, 31.2223)

Have a look what the booklet for
XYZ(20.4736, 22.4115, 31.2223)
contains.

XYZ(20.4149, 22.3579, 31.2565)	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(20.4149, 22.3579,
31.2565)**

Conversions

Conversions Part 1

Format	Color
Hex	708594
RGB	112, 133, 148
RGB Percent	44%, 52%, 58%
CMY	0.5608, 0.4784, 0.4196
CMYK	0.24, 0.10, 0.00, 0.42
HSL	205°, 14%, 51%
HSV	205°, 24%, 58%
XYZ	20.4149, 22.3579, 31.2565
YIQ	128.4310, -17.3310, 0.2130

Conversions

Conversions Part 2

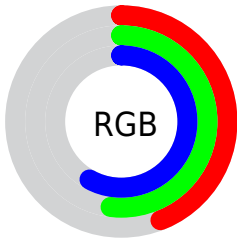
Format	Color
R_{YB}	112, 125, 148
Decimal	7374228
CIE _{Lab}	54.40, -4.03, -10.55
CIE _{LCh}	54, 11.291, 249.083
Yxy	22.3579, 0.2758, 0.3020
Android (android.graphics.Color)	4285564308 (0xFF708594)
YUV	128.4310, 9.6475, -14.4100
Hunter-Lab	47.2841, -5.6800, -6.0939

Details

The XYZ color **20.4149, 22.3579, 31.2565** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.7270, 22.6446, 18.5027**, and the grayscale version is **20.6399, 21.7148, 23.6474**.

A 20% lighter version of the original color is **43.5294, 47.2746, 62.7078**, and **7.3779, 8.2605, 12.5148** is the 20% darker color. If you saturate the color by 10%, you get **17.8649, 19.8272, 30.9028**, and if you desaturate by 10%, it is **23.3254, 25.1491, 31.6422**.

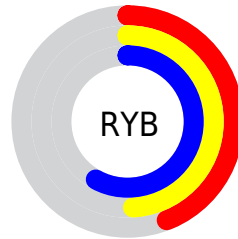
Distribution



Red (44%)

Green (52%)

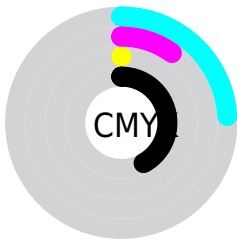
Blue (58%)



Red (44%)

Yellow (49%)

Blue (58%)

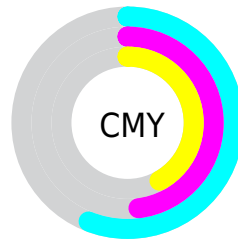


Cyan (24%)

Magenta (10%)

Yellow (0%)

Black (42%)



Cyan (56%)

Magenta (48%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4149, 22.3579, 31.2565 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 20.4149, 22.3579, 31.2565 by changing the saturation by 10% instead.

■ 20.4149, 22.3579,
31.2565

■ 20.4149, 22.3579,
31.2565

246.9434,
264.4097, 322.1060

■ 12.8070, 14.1201,
20.5341

■ 43.6104, 47.3368,
62.7280

■ 7.3719, 8.2043,
12.5960

■ 59.9286, 64.8467,
84.3142

■ 3.7441, 4.2259,
7.0235

■ 79.8811, 86.2162,
110.3588

■ 1.5584, 1.8007,
3.3981

■ 103.8331,
111.8295, 141.2802

■ 0.3651, 0.4876,
1.3013

132.1500,
142.0711, 177.4972

■ 0.0000, 0.0000,
0.0629

165.1971,

■ 0.0000, 0.0000,

177.3254, 219.4281

0.0000

203.3398,
217.9768, 267.4915

■ 20.4149, 22.3579,
31.2565

■ 20.4149, 22.3579,
31.2565

■ 17.8649, 19.8272,
30.9028

■ 23.3254, 25.1491,
31.6422

■ 15.6575, 17.5448,
30.5786

■ 26.6092, 28.2071,
32.0594

■ 13.7759, 15.5015,
30.2834

■ 30.2810, 31.5411,
32.5094

■ 12.2015, 13.6863,
30.0160

■ 34.3542, 35.1591,
32.9931

■ 10.9131, 12.0869,
29.7752

■ 38.8412, 39.0688,
33.5112

■ 9.8868, 10.6895,
29.5595

■ 43.7542, 43.2775,
34.0646

■ 9.0932, 9.4777,
29.3675

■ 49.1047, 47.7922,
34.6541

■ 8.7004, 8.8481,
29.2666

■ 54.9037, 52.6196,
35.2802

■ 61.1620, 57.7665,
35.9438

Harmonies

Analogous

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



19.4620, 22.3579, 28.8826



20.4149, 22.3579, 31.2565



21.6272, 22.3579, 31.6867

Triad

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



20.4149, 22.3579, 31.2565



23.6798, 22.3579, 23.2873



19.7900, 22.3579, 19.4426

Complementary

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



20.4149, 22.3579, 31.2565



22.7270, 22.6446, 18.5027

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.



20.8783, 22.3579, 18.2334



20.4149, 22.3579, 31.2565



23.1454, 22.3579, 20.3076

Square

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



20.4149, 22.3579, 31.2565



23.5440, 22.3579, 26.8506



22.1086, 22.3579, 18.5340



19.1110, 22.3579, 21.9984

Rectangle

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



20.4149, 22.3579, 31.2565



22.4244, 22.3579, 30.7761



22.1086, 22.3579, 18.5340



20.1183, 22.3579, 18.8769

Sweetspot

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



20.4156, 22.3588, 31.2570



45.2500, 48.2013, 56.3534



21.0642, 26.1417, 23.8104



10.2605, 10.9393, 12.8555



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.



20.4156, 22.3588, 31.2570



33.5794, 37.0471, 54.8156



18.2272, 17.9821, 30.5276



5.7636, 6.1612, 7.3552



7.4587, 7.6122, 25.0072



0.1205, 0.1515, 0.3158

Inverse Universe

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



22.2411, 19.5782, 24.7980



37.4043, 31.4898, 41.2223



25.1717, 27.5341, 19.3177



5.9341, 5.8687, 6.7592



11.8919, 5.9618, 8.1776



0.1603, 0.0789, 0.1776

Previews

White Background



This preview shows how the XYZ color 20.4149, 22.3579, 31.2565 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 20.4149, 22.3579, 31.2565 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

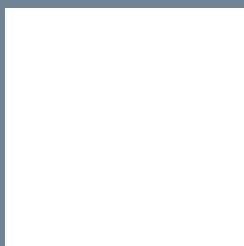
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4149, 22.3579, 31.2565

Background



This preview shows how black text looks on a background with the XYZ color 20.4149, 22.3579, 31.2565.



This preview shows how white text looks on a background with the XYZ color 20.4149, 22.3579,

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

20.4149, 22.3579, 31.2565

Protanopia

21.8632, 22.3340, 29.9467

Deuteranopia

22.6871, 22.3352, 31.5492



Tritanopia

20.1147, 22.4433, 29.6574

Trichromacy



Original Color

20.4149, 22.3579, 31.2565

Protanomaly

21.1970, 22.1782, 30.3577

Deuteranomaly

21.7325, 22.2304, 31.5792

Tritanomaly

20.1915, 22.4740, 30.0618

Monochromacy



Original Color

20.4149, 22.3579, 31.2565

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3818, 21.8521, 26.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4149, 22.3579, 31.2565 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(112, 133, 148)` looks like.

```
.text, #text, p{  
    color:rgb(112, 133, 148)  
}
```

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(112, 133, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 133, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.4149, 22.3579, 31.2565 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(112, 133, 148) }
```


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

```
.border{ border-color:rgb(112, 133, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 133, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 133, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 133, 148);  
box-shadow:4px 4px 4px 4px rgb(112, 133,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4149, 22.3579, 31.2565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 133, 148) }
```

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

```
.background{ background-color: rgb(112,  
133, 148) }
```

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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