

Converting Colors

XYZ(22.3032, 22.9022, 36.7787)

Have a look what the booklet for
XYZ(22.3032, 22.9022, 36.7787)
contains.

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Color

**XYZ(22.2951, 22.7989,
36.9438)**

Conversions

Conversions Part 1

Format	Color
Hex	7883A1
RGB	120, 131, 161
RGB Percent	47%, 51%, 63%
CMY	0.5294, 0.4863, 0.3686
CMYK	0.25, 0.19, 0.00, 0.37
HSL	224°, 18%, 55%
HSV	224°, 25%, 63%
XYZ	22.2951, 22.7989, 36.9438
YIQ	131.1310, -16.1860, 6.9980

Conversions

Conversions Part 2

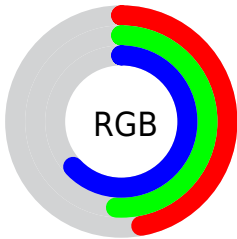
Format	Color
R_{YB}	120, 129, 161
Decimal	7898017
CIE _{Lab}	54.86, 2.91, -17.31
CIE _{LCh}	55, 17.557, 279.543
Yxy	22.7989, 0.2718, 0.2779
Android (android.graphics.Color)	4286088097 (0xFF7883A1)
YUV	131.1310, 14.7254, -9.7619
Hunter-Lab	47.7482, -0.2122, -12.4502

Details

The XYZ color **22.2951, 22.7989, 36.9438** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **28.9948, 30.7461, 22.1764**, and the grayscale version is **21.5740, 22.6975, 24.7176**.

A 20% lighter version of the original color is **46.7687, 48.1231, 71.7895**, and **8.3034, 8.4408, 15.6596** is the 20% darker color. If you saturate the color by 10%, you get **18.7540, 18.7571, 36.3507**, and if you desaturate by 10%, it is **26.3930, 27.3959, 37.6155**.

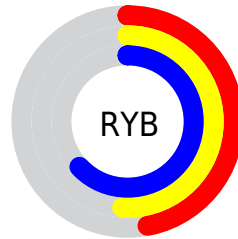
Distribution



Red (47%)

Green (51%)

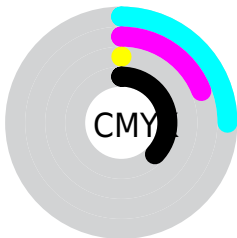
Blue (63%)



Red (47%)

Yellow (51%)

Blue (63%)

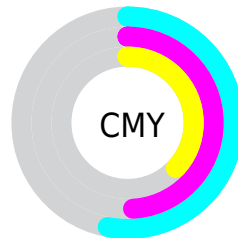


Cyan (25%)

Magenta (19%)

Yellow (0%)

Black (37%)



Cyan (53%)

Magenta (49%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2951, 22.7989, 36.9438 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 22.2951, 22.7989, 36.9438 by changing the saturation by 10% instead.

■ 22.2951, 22.7989,
36.9438

■ 22.2951, 22.7989,
36.9438

256.6870,
266.6904, 348.2285

■ 14.1917, 14.4451,
24.8685

■ 46.7085, 48.0629,
71.6717

■ 8.3367, 8.4309,
15.7610

■ 63.7492, 65.7419,
95.1614

■ 4.3648, 4.3719,
9.2027

■ 84.4997, 87.2981,
123.2930

■ 1.9105, 1.8837,
4.7750

109.3254,
113.1158, 156.4851

■ 0.5829, 0.5385,
2.0594

138.5916,
143.5795, 195.1561

■ 0.0000, 0.0000,
0.5915

172.6637,

■ 0.0000, 0.0000,

179.0736, 239.7247

0.0000

211.9071,
219.9824, 290.6093

■ 22.2951, 22.7989,
36.9438

■ 22.2951, 22.7989,
36.9438

■ 18.7540, 18.7571,
36.3507

■ 26.3930, 27.3959,
37.6155

■ 15.7428, 15.2462,
35.8317

■ 31.0687, 32.5658,
38.3670

■ 13.2355, 12.2437,
35.3843

■ 36.3448, 38.3288,
39.2013

■ 11.2030, 9.7249,
35.0053

■ 42.2419, 44.7034,
40.1209

■ 9.6129, 7.6623,
34.6910

■ 48.7797, 51.7072,
41.1282

■ 8.4285, 6.0257,
34.4375

■ 55.9769, 59.3571,
42.2254

■ 7.6037, 4.7788,
34.2403

■ 63.8517, 67.6694,
43.4148

■ 7.3042, 4.3155,
34.1666

■ 72.4212, 76.6596,
44.6984

■ 77.9645, 84.4160,
45.9034

Harmonies

Analogous

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



20.3898, 22.7989, 36.2614



22.2951, 22.7989, 36.9438



24.1368, 22.7989, 34.0249

Triad

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



22.2951, 22.7989, 36.9438



24.6808, 22.7989, 18.6152



18.3538, 22.7989, 21.2686

Complementary

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



22.2951, 22.7989, 36.9438



28.9948, 30.7461, 22.1764

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.



19.3767, 22.7989, 17.4523



22.2951, 22.7989, 36.9438



23.0021, 22.7989, 16.0868

Square

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



22.2951, 22.7989, 36.9438



25.5675, 22.7989, 23.0918



21.0560, 22.7989, 15.6955



18.1896, 22.7989, 26.6410

Rectangle

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



22.2951, 22.7989, 36.9438



25.0530, 22.7989, 30.6534



21.0560, 22.7989, 15.6955



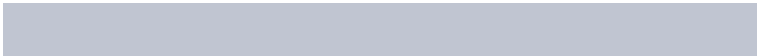
18.6056, 22.7989, 19.7851

Sweetspot

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



22.2958, 22.7998, 36.9443



53.2881, 55.7326, 68.3354



25.9467, 31.6655, 33.3396



11.4180, 11.9264, 14.9439



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.2958, 22.7998, 36.9443



35.9339, 36.2879, 65.4969



22.1857, 20.6649, 36.5380



6.8479, 7.1548, 8.9232



5.8634, 3.5061, 27.2975



0.1599, 0.1472, 0.5858

Inverse Universe

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



25.5118, 22.6494, 24.5009



42.8308, 36.1980, 38.7589



29.1063, 33.5330, 22.7085



7.1482, 7.1157, 7.7668



12.1050, 6.1981, 2.4777



0.2729, 0.1377, 0.1497

Previews

White Background



This preview shows how the XYZ color 22.2951, 22.7989, 36.9438 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 22.2951, 22.7989, 36.9438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

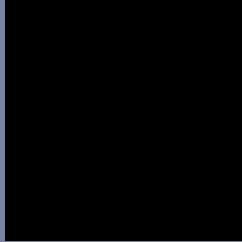
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

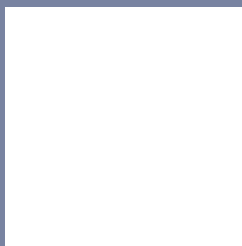
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2951, 22.7989, 36.9438

Background



This preview shows how black text looks on a background with the XYZ color 22.2951, 22.7989, 36.9438.

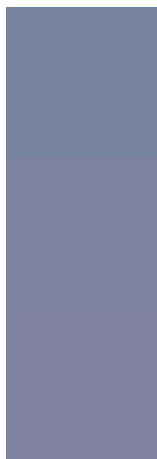


This preview shows how white text looks on a background with the XYZ color 22.2951, 22.7989,

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

22.2951, 22.7989, 36.9438

Protanopia

22.6400, 22.7884, 36.4631

Deuteranopia

23.1428, 22.6362, 37.3319



Tritanopia

20.9721, 22.8764, 30.0983

Trichromacy



Original Color

22.2951, 22.7989, 36.9438

Protanomaly

22.4962, 22.7143, 36.4563

Deuteranomaly

22.8293, 22.6691, 37.3548

Tritanomaly

21.4447, 22.8610, 32.5605

Monochromacy



Original Color

22.2951, 22.7989, 36.9438

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.7512, 22.6976, 28.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2951, 22.7989, 36.9438 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, 131, 161)` looks like.

```
.text, #text, p{  
    color:rgb(120, 131, 161)  
}
```

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, 131, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 131, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.2951, 22.7989, 36.9438 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, 131, 161) }
```


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

```
.border{ border-color:rgb(120, 131, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 131, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 131, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 131, 161);  
box-shadow:4px 4px 4px 4px rgb(120, 131,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2951, 22.7989, 36.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 131, 161) }
```

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

```
.background{ background-color: rgb(120,  
131, 161) }
```

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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