

Converting Colors

XYZ(20.8897, 21.6013, 31.5022)

Have a look what the booklet for
XYZ(20.8897, 21.6013, 31.5022)
contains.

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Color

**XYZ(20.8897, 21.6013,
31.5022)**

Conversions

Conversions Part 1

Format	Color
Hex	788095
RGB	120, 128, 149
RGB Percent	47%, 50%, 58%
CMY	0.5294, 0.4980, 0.4157
CMYK	0.19, 0.14, 0.00, 0.42
HSL	223°, 12%, 53%
HSV	223°, 19%, 58%
XYZ	20.8897, 21.6013, 31.5022
YIQ	128.0020, -11.5090, 4.8350

Conversions

Conversions Part 2

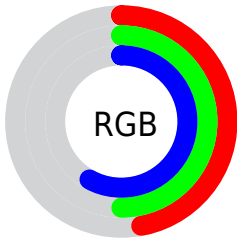
Format	Color
RYB	120, 126, 149
Decimal	7897237
CIELab	53.60, 1.74, -12.28
CIELCh	54, 12.398, 278.045
Yxy	21.6013, 0.2823, 0.2919
Android (android.graphics.Color)	4286087317 (0xFF788095)
YUV	128.0020, 10.3520, -7.0178
Hunter-Lab	46.4772, -1.1063, -7.6527

Details

The XYZ color **20.8897, 21.6013, 31.5022** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.3097, 26.7954, 21.6079**, and the grayscale version is **20.4871, 21.5540, 23.4723**.

A 20% lighter version of the original color is **44.5369, 46.2438, 63.0785**, and **7.5991, 7.8134, 12.6629** is the 20% darker color. If you saturate the color by 10%, you get **17.6487, 17.9518, 30.9689**, and if you desaturate by 10%, it is **24.6032, 25.7177, 32.1014**.

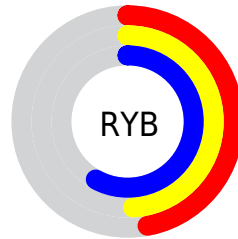
Distribution



Red (47%)

Green (50%)

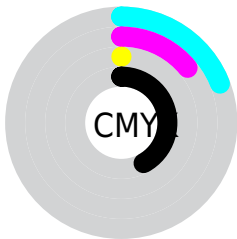
Blue (58%)



Red (47%)

Yellow (49%)

Blue (58%)

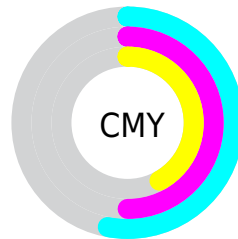


Cyan (19%)

Magenta (14%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (50%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8897, 21.6013, 31.5022 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 20.8897, 21.6013, 31.5022 by changing the saturation by 10% instead.

■ 20.8897, 21.6013,
31.5022

■ 20.8897, 21.6013,
31.5022

249.4346,
260.4570, 323.2679

■ 13.1554, 13.5642,
20.7199

■ 44.3966, 46.0861,
63.1187

■ 7.6134, 7.8182,
12.7302

■ 60.8998, 63.3027,
84.7900

■ 3.8983, 3.9788,
7.1145

■ 81.0568, 84.3479,
110.9280

■ 1.6448, 1.6617,
3.4543

105.2328,
109.6061, 141.9512

■ 0.4213, 0.3987,
1.3310

133.7932,
139.4617, 178.2783

■ 0.0000, 0.0000,
0.0870

167.1034,

■ 0.0000, 0.0000,

174.2992, 220.3278

0.0000

205.5288,
214.5028, 268.5181

■ 20.8897, 21.6013,
31.5022

■ 20.8897, 21.6013,
31.5022

■ 17.6487, 17.9518,
30.9689

■ 24.6032, 25.7177,
32.1014

■ 14.8589, 14.7495,
30.4979

■ 28.8057, 30.3143,
32.7671

■ 12.4999, 11.9774,
30.0871

■ 33.5150, 35.4074,
33.5020

■ 10.5491, 9.6160,
29.7342

■ 38.7477, 41.0115,
34.3079

■ 8.9819, 7.6445,
29.4362

■ 44.5194, 47.1404,
35.1867

■ 7.7704, 6.0399,
29.1904

■ 50.8452, 53.8078,
36.1402

■ 6.8830, 4.7765,
28.9933

■ 57.7395, 61.0264,
37.1702

■ 6.2519, 3.8092,
28.8398

■ 65.2163, 68.8088,
38.2782

■ 6.2216, 3.7635,
28.8326

■ 73.2888, 77.1669,
39.4661

Harmonies

Analogous

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



19.5943, 21.6013, 30.9502



20.8897, 21.6013, 31.5022



22.1404, 21.6013, 29.7412

Triad

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



20.8897, 21.6013, 31.5022



22.6020, 21.6013, 19.3074



18.2598, 21.6013, 20.8984

Complementary

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



20.8897, 21.6013, 31.5022



25.3097, 26.7954, 21.6079

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.



19.0023, 21.6013, 18.2334



20.8897, 21.6013, 31.5022



21.4979, 21.6013, 17.3859

Square

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



20.8897, 21.6013, 31.5022



23.1564, 21.6013, 22.5146



20.1772, 21.6013, 17.0150



18.1127, 21.6013, 24.5552

Rectangle

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



20.8897, 21.6013, 31.5022



22.7678, 21.6013, 27.5933



20.1772, 21.6013, 17.0150



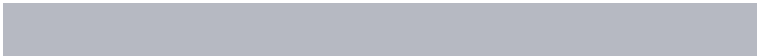
18.4465, 21.6013, 19.8689

Sweetspot

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



20.8904, 21.6022, 31.5027



46.4758, 48.7093, 57.8735



23.2852, 27.4050, 29.1777



10.2070, 10.6930, 12.8108



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.



20.8904, 21.6022, 31.5027



34.9875, 35.9702, 56.0202



20.7878, 20.0606, 31.2105



5.6220, 5.8780, 7.3080



5.2586, 3.2120, 24.2739



0.0864, 0.0834, 0.3045

Inverse Universe

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



23.0077, 21.3816, 23.3374



39.4594, 35.6011, 38.7530



25.4167, 28.6657, 21.9633



5.8626, 5.8401, 6.3828



10.7814, 5.5176, 2.3298



0.1431, 0.0720, 0.0872

Previews

White Background



This preview shows how the XYZ color 20.8897, 21.6013, 31.5022 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 20.8897, 21.6013, 31.5022 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

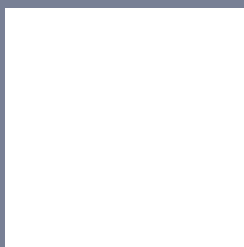
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8897, 21.6013, 31.5022

Background



This preview shows how black text looks on a background with the XYZ color 20.8897, 21.6013, 31.5022.



This preview shows how white text looks on a background with the XYZ color 20.8897, 21.6013,

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

20.8897, 21.6013, 31.5022

Protanopia

21.2468, 21.6019, 31.0667

Deuteranopia

22.0446, 21.6151, 31.8644



Tritanopia

20.1875, 21.7103, 27.9374

Trichromacy



Original Color

20.8897, 21.6013, 31.5022

Protanomaly

21.1030, 21.5278, 31.0600

Deuteranomaly

21.5701, 21.5593, 31.8787

Tritanomaly

20.4159, 21.6056, 29.0809

Monochromacy



Original Color

20.8897, 21.6013, 31.5022

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6206, 21.5759, 26.3703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8897, 21.6013, 31.5022 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, 128, 149)` looks like.

```
.text, #text, p{  
    color:rgb(120, 128, 149)  
}
```

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, 128, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 128, 149) }
```

Border

The CSS property to change the border of an element to XYZ 20.8897, 21.6013, 31.5022 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, 128, 149) }
```


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

```
.border{ border-color:rgb(120, 128, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 128, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 128, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 128, 149);  
box-shadow:4px 4px 4px 4px rgb(120, 128,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8897, 21.6013, 31.5022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 128, 149) }
```

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

```
.background{ background-color: rgb(120,  
128, 149) }
```

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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