

Converting Colors

XYZ(21.2299, 23.7081, 36.8483)

Have a look what the booklet for
XYZ(21.2299, 23.7081, 36.8483)
contains.

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Color

**XYZ(21.1426, 23.6581,
36.7098)**

Conversions

Conversions Part 1

Format	Color
Hex	688AA0
RGB	104, 138, 160
RGB Percent	41%, 54%, 63%
CMY	0.5921, 0.4588, 0.3725
CMYK	0.35, 0.14, 0.00, 0.37
HSL	204°, 23%, 52%
HSV	204°, 35%, 63%
XYZ	21.1426, 23.6581, 36.7098
YIQ	130.3420, -27.3260, -0.3660

Conversions

Conversions Part 2

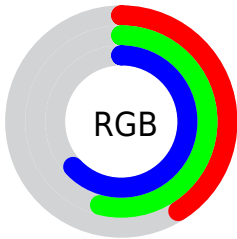
Format	Color
RYB	104, 125, 160
Decimal	6851232
CIELab	55.74, -6.29, -15.50
CIELCh	56, 16.729, 247.927
Yxy	23.6581, 0.2594, 0.2902
Android (android.graphics.Color)	4285041312 (0xFF688AA0)
YUV	130.3420, 14.6214, -23.1019
Hunter-Lab	48.6396, -7.5291, -10.7003

Details

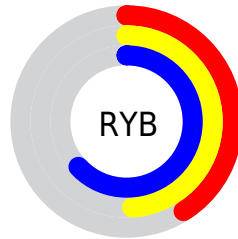
The XYZ color **21.1426, 23.6581, 36.7098** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.4572, 23.3952, 16.3242**, and the grayscale version is **21.2966, 22.4056, 24.3998**.

A 20% lighter version of the original color is **44.8012, 49.3360, 71.4515**, and **7.7178, 8.8464, 15.4881** is the 20% darker color. If you saturate the color by 10%, you get **18.5830, 21.0389, 36.3396**, and if you desaturate by 10%, it is **24.1083, 26.5653, 37.1150**.

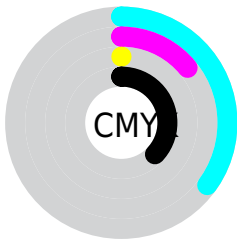
Distribution



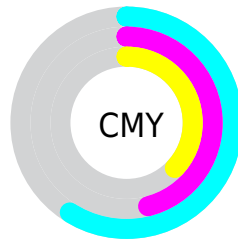
- Red (41%)
- Green (54%)
- Blue (63%)



- Red (41%)
- Yellow (49%)
- Blue (63%)



- Cyan (35%)
- Magenta (14%)
- Yellow (0%)
- Black (37%)



- Cyan (59%)
- Magenta (46%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1426, 23.6581, 36.7098 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 21.1426, 23.6581, 36.7098 by changing the saturation by 10% instead.

■ 21.1426, 23.6581,
36.7098

■ 21.1426, 23.6581,
36.7098

250.7528,
271.0874, 347.1832

■ 13.3413, 15.0802,
24.6889

■ 44.8142, 49.4717,
71.3076

■ 7.7426, 8.8757,
15.6285

■ 61.4153, 67.4762,
94.7215

■ 3.9811, 4.6602,
9.1102

■ 81.6804, 89.3916,
122.7701

■ 1.6915, 2.0493,
4.7153

■ 105.9747,
115.6024, 155.8720

■ 0.4509, 0.6359,
2.0254

134.6638,
146.4930, 194.4457

■ 0.0000, 0.0000,
0.5708

168.1129,

■ 0.0000, 0.0000,

182.4478, 238.9098

0.0000

206.6875,
223.8511, 289.6828

■ 21.1426, 23.6581,
36.7098

■ 21.1426, 23.6581,
36.7098

■ 18.5830, 21.0389,
36.3396

■ 24.1083, 26.5653,
37.1150

■ 16.4063, 18.6927,
36.0014

■ 27.4972, 29.7688,
37.5548

■ 14.5905, 16.6074,
35.6946

■ 31.3278, 33.2800,
38.0306

■ 13.1100, 14.7685,
35.4177

■ 35.6172, 37.1090,
38.5436

■ 11.9355, 13.1594,
35.1690

■ 40.3813, 41.2650,
39.0947

■ 11.0304, 11.7598,
34.9466

■ 45.6351, 45.7571,
39.6848

■ 10.6334, 11.1145,
34.8429

■ 51.3933, 50.5938,
40.3149

■ 57.6695, 55.7834,
40.9858

■ 64.4772, 61.3338,
41.6984

Harmonies

Analogous

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



19.7288, 23.6581, 32.7326



21.1426, 23.6581, 36.7098



22.9934, 23.6581, 37.5599

Triad

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



21.1426, 23.6581, 36.7098



26.2980, 23.6581, 24.3450



20.3170, 23.6581, 18.3637

Complementary

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



21.1426, 23.6581, 36.7098



24.4572, 23.3952, 16.3242

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.



21.9868, 23.6581, 16.7327



21.1426, 23.6581, 36.7098



25.4895, 23.6581, 19.8548

Square

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



21.1426, 23.6581, 36.7098



26.0406, 23.6581, 29.8902



23.8858, 23.6581, 17.2373



19.2711, 23.6581, 22.0283

Rectangle

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



21.1426, 23.6581, 36.7098



24.2392, 23.6581, 36.1415



23.8858, 23.6581, 17.2373



20.8201, 23.6581, 17.5847

Sweetspot

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



21.1433, 23.6590, 36.7103



53.1669, 57.0439, 68.5949



22.0119, 29.5778, 24.1083



11.4617, 12.3281, 15.0191



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.



21.1433, 23.6590, 36.7103



34.6974, 39.1979, 66.1237



17.6884, 16.7492, 35.5587



6.6029, 7.0716, 8.4236



8.3269, 8.7454, 27.1564



0.1892, 0.2370, 0.4990

Inverse Universe

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



24.0356, 19.2099, 26.4868



40.8926, 30.3918, 44.0627



28.4641, 31.4091, 17.6598



6.7937, 6.7104, 7.7646



13.0013, 6.5051, 9.5236



0.2528, 0.1245, 0.2775

Previews

White Background



This preview shows how the XYZ color 21.1426, 23.6581, 36.7098 looks on a white background.

Color Contrast Check

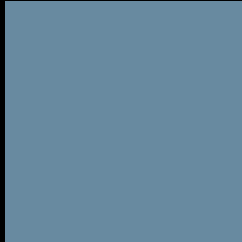
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1426, 23.6581, 36.7098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

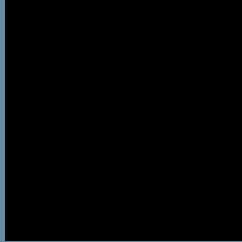
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1426, 23.6581, 36.7098

Background



This preview shows how black text looks on a background with the XYZ color 21.1426, 23.6581, 36.7098.



This preview shows how white text looks on a background with the XYZ color 21.1426, 23.6581,

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

21.1426, 23.6581, 36.7098

Protanopia

23.3053, 23.5700, 34.7736

Deuteranopia

24.0199, 23.4794, 37.4484



Tritanopia

20.4435, 23.8153, 32.7975

Trichromacy



Original Color

21.1426, 23.6581, 36.7098

Protanomaly

22.3566, 23.4776, 35.2516

Deuteranomaly

22.8466, 23.4858, 37.0473

Tritanomaly

20.6589, 23.6819, 34.0541

Monochromacy



Original Color

21.1426, 23.6581, 36.7098

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0804, 22.7631, 28.4820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1426, 23.6581, 36.7098 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(104, 138, 160)` looks like.

```
.text, #text, p{  
    color:rgb(104, 138, 160)  
}
```

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(104, 138, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 138, 160) }
```

Border

The CSS property to change the border of an element to XYZ 21.1426, 23.6581, 36.7098 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(104, 138, 160) }
```


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

```
.border{ border-color:rgb(104, 138, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 138, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 138, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 138, 160);  
box-shadow:4px 4px 4px 4px rgb(104, 138,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1426, 23.6581, 36.7098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 138, 160) }
```

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

```
.background{ background-color: rgb(104,  
138, 160) }
```

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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