

Converting Colors

XYZ(21.4616, 24.1160, 37.7065)

Have a look what the booklet for
XYZ(21.4616, 24.1160, 37.7065)
contains.

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Color

**XYZ(21.3477, 23.9574,
37.6815)**

Conversions

Conversions Part 1

Format	Color
Hex	678BA2
RGB	103, 139, 162
RGB Percent	40%, 55%, 64%
CMY	0.5961, 0.4549, 0.3647
CMYK	0.36, 0.14, 0.00, 0.36
HSL	203°, 24%, 52%
HSV	203°, 36%, 64%
XYZ	21.3477, 23.9574, 37.6815
YIQ	130.8580, -28.8390, -0.4790

Conversions

Conversions Part 2

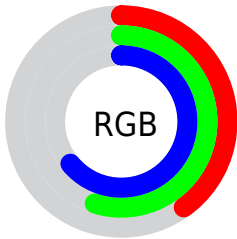
Format	Color
R_{YB}	103, 125, 162
Decimal	6785954
CIE _{Lab}	56.05, -6.61, -16.20
CIE _{LCh}	56, 17.497, 247.808
Yxy	23.9574, 0.2572, 0.2887
Android (android.graphics.Color)	4284976034 (0xFF678BA2)
YUV	130.8580, 15.3530, -24.4315
Hunter-Lab	48.9463, -7.8041, -11.3822

Details

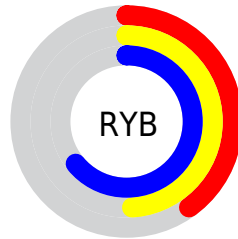
The XYZ color **21.3477, 23.9574, 37.6815** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.8098, 23.5827, 16.0769**, and the grayscale version is **21.4777, 22.5962, 24.6072**.

A 20% lighter version of the original color is **45.0843, 49.7769, 72.8774**, and **7.8030, 9.0006, 16.0779** is the 20% darker color. If you saturate the color by 10%, you get **18.7785, 21.3150, 37.3073**, and if you desaturate by 10%, it is **24.3312, 26.8929, 38.0913**.

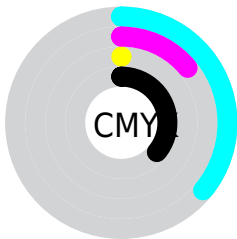
Distribution



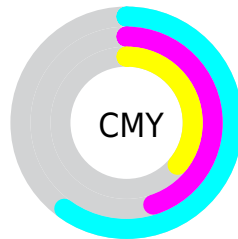
- Red (40%)
- Green (55%)
- Blue (64%)



- Red (40%)
- Yellow (49%)
- Blue (64%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (36%)



- Cyan (60%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3477, 23.9574, 37.6815 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 21.3477, 23.9574, 37.6815 by changing the saturation by 10% instead.

■ 21.3477, 23.9574,
37.6815

■ 21.3477, 23.9574,
37.6815

251.8175,
272.6050, 351.5088

■ 13.4923, 15.3020,
25.4357

■ 45.1524, 49.9607,
72.8177

■ 7.8477, 9.0316,
16.1800

■ 61.8325, 68.0774,
96.5451

■ 4.0487, 4.7618,
9.4959

■ 82.1847, 90.1166,
124.9369

■ 1.7297, 2.1082,
4.9648

■ 106.5746,
116.4628, 158.4115

■ 0.4748, 0.6692,
2.1682

135.3675,
147.5004, 197.3874

■ 0.0000, 0.0000,
0.6560

168.9287,

■ 0.0000, 0.0000,

183.6136, 242.2832

0.0000

207.6236,
225.1871, 293.5176

■ 21.3477, 23.9574,
37.6815

■ 21.3477, 23.9574,
37.6815

■ 18.7785, 21.3150,
37.3073

■ 24.3312, 26.8929,
38.0913

■ 16.5997, 18.9504,
36.9657

■ 27.7469, 30.1304,
38.5361

■ 14.7880, 16.8509,
36.6559

■ 31.6143, 33.6816,
39.0178

■ 13.3168, 15.0012,
36.3765

■ 35.9507, 37.5569,
39.5372

■ 12.1549, 13.3840,
36.1256

■ 40.7728, 41.7659,
40.0955

■ 11.2589, 11.9753,
35.9009

■ 46.0963, 46.3179,
40.6935

■ 10.9694, 11.5041,
35.8252

■ 51.9362, 51.2218,
41.3323

■ 58.3068, 56.4861,
42.0126

■ 65.2219, 62.1190,
42.7354

Harmonies

Analogous

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



19.8632, 23.9574, 33.4434



21.3477, 23.9574, 37.6815



23.2977, 23.9574, 38.6017

Triad

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



21.3477, 23.9574, 37.6815



26.8010, 23.9574, 24.6164



20.4918, 23.9574, 18.3096

Complementary

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



21.3477, 23.9574, 37.6815



24.8098, 23.5827, 16.0769

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.



22.2519, 23.9574, 16.6176



21.3477, 23.9574, 37.6815



25.9492, 23.9574, 19.8947

Square

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



21.3477, 23.9574, 37.6815



26.5239, 23.9574, 30.4746



24.2558, 23.9574, 17.1521



19.3896, 23.9574, 22.1395

Rectangle

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



21.3477, 23.9574, 37.6815



24.6140, 23.9574, 37.1012



24.2558, 23.9574, 17.1521



21.0219, 23.9574, 17.4996

Sweetspot

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



21.3485, 23.9583, 37.6821



53.9251, 57.9852, 70.4062



22.2556, 30.2212, 24.2702



11.9105, 12.8386, 15.7879



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.3485, 23.9583, 37.6821



34.7799, 39.4198, 67.8318



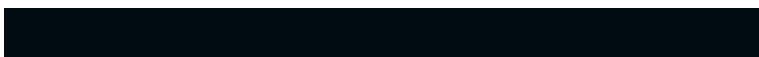
17.6791, 16.6196, 36.4589



7.0432, 7.5454, 8.9883



8.6845, 9.1485, 28.2379



0.2264, 0.2801, 0.6080

Inverse Universe

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



24.4114, 19.2466, 26.8554



41.3630, 30.1346, 44.3734



29.0897, 32.1427, 17.5036



7.2468, 7.1552, 8.2859



13.5290, 6.7677, 9.9764



0.3064, 0.1511, 0.3263

Previews

White Background



This preview shows how the XYZ color 21.3477, 23.9574, 37.6815 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 21.3477, 23.9574, 37.6815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

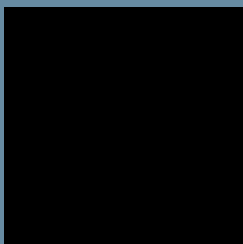
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

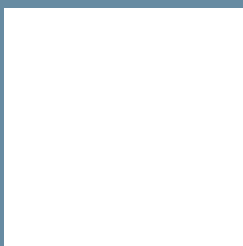
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3477, 23.9574, 37.6815

Background



This preview shows how black text looks on a background with the XYZ color 21.3477, 23.9574, 37.6815.



This preview shows how white text looks on a background with the XYZ color 21.3477, 23.9574,

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

21.3477, 23.9574, 37.6815

Protanopia

23.6123, 23.9108, 35.7185

Deuteranopia

24.3329, 23.8185, 38.4369



Tritanopia

20.5592, 24.0835, 33.2707

Trichromacy



Original Color

21.3477, 23.9574, 37.6815

Protanomaly

22.6677, 23.8242, 36.2047

Deuteranomaly

23.0211, 23.7595, 38.0230

Tritanomaly

20.8583, 23.9812, 34.9820

Monochromacy



Original Color

21.3477, 23.9574, 37.6815

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2927, 23.0681, 28.9215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3477, 23.9574, 37.6815 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(103, 139, 162)` looks like.

```
.text, #text, p{  
    color:rgb(103, 139, 162)  
}
```

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(103, 139, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 139, 162) }
```

Border

The CSS property to change the border of an element to XYZ 21.3477, 23.9574, 37.6815 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(103, 139, 162) }
```


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

```
.border{ border-color:rgb(103, 139, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 139, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 139, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 139, 162);  
box-shadow:4px 4px 4px 4px rgb(103, 139,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3477, 23.9574, 37.6815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 139, 162) }
```

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

```
.background{ background-color: rgb(103,  
139, 162) }
```

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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