

Converting Colors

XYZ(23.6874, 21.7382, 50.1262)

Have a look what the booklet for
XYZ(23.6874, 21.7382, 50.1262)
contains.

XYZ(23.6603, 21.6757, 49.9505)	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(23.6603, 21.6757,
49.9505)**

Conversions

Conversions Part 1

Format	Color
Hex	777BBB
RGB	119, 123, 187
RGB Percent	47%, 48%, 73%
CMY	0.5333, 0.5176, 0.2667
CMYK	0.36, 0.34, 0.00, 0.27
HSL	236°, 33%, 60%
HSV	236°, 36%, 73%
XYZ	23.6603, 21.6757, 49.9505
YIQ	129.1000, -22.9280, 19.0560

Conversions

Conversions Part 2

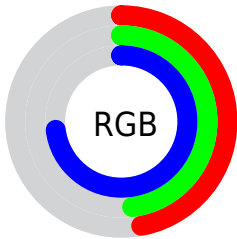
Format	Color
R _Y B	119, 123, 187
Decimal	7830459
CIE _{Lab}	53.68, 14.18, -34.11
CIE _{LCh}	54, 36.940, 292.576
Yxy	21.6757, 0.2483, 0.2275
Android (android.graphics.Color)	4286020539 (0xFF777BBB)
YUV	129.1000, 28.5447, -8.8577
Hunter-Lab	46.5572, 9.2384, -31.0213

Details

The XYZ color **23.6603, 21.6757, 49.9505** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.7573, 45.7642, 24.1388**, and the grayscale version is **20.8108, 21.8946, 23.8432**.

A 20% lighter version of the original color is **48.7412, 46.0152, 91.1069**, and **8.9972, 7.7843, 23.2186** is the 20% darker color. If you saturate the color by 10%, you get **19.3514, 16.4998, 49.1789**, and if you desaturate by 10%, it is **28.8682, 27.8986, 50.8775**.

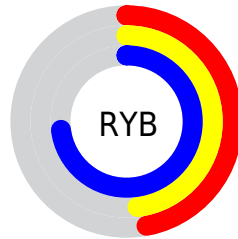
Distribution



Red (47%)

Green (48%)

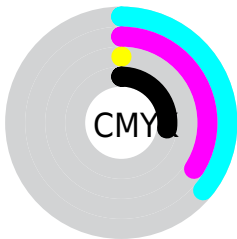
Blue (73%)



Red (47%)

Yellow (48%)

Blue (73%)

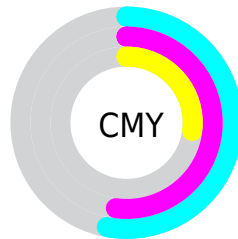


Cyan (36%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (53%)

Magenta (52%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6603, 21.6757, 49.9505 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 23.6603, 21.6757, 49.9505 by changing the saturation by 10% instead.

■ 23.6603, 21.6757,
49.9505

■ 23.6603, 21.6757,
49.9505

263.5710,
260.8480, 403.2019

■ 15.2052, 13.6188,
35.0032

■ 48.9340, 46.2094,
91.4971

■ 9.0508, 7.8560,
23.3817

■ 66.4833, 63.4550,
118.9334

■ 4.8317, 4.0030,
14.6677

■ 87.7947, 84.5323,
151.3698

■ 2.1826, 1.6752,
8.4425

113.2336,
109.8257, 189.2248

■ 0.7335, 0.4075,
4.2876

143.1654,
139.7196, 232.9170

■ 0.0000, 0.0000,
1.7844

177.9553,

■ 0.0000, 0.0000,

174.5983, 282.8649

0.4176

217.9687,
214.8463, 339.4870

■ 0.0000, 0.0000,
0.0000

■ 23.6603, 21.6757,
49.9505

■ 23.6603, 21.6757,
49.9505

■ 19.3514, 16.4998,
49.1789

■ 28.8682, 27.8986,
50.8775

■ 15.8884, 12.3110,
48.5529

■ 35.0195, 35.2189,
51.9663

■ 13.2162, 9.0471,
48.0638

■ 42.1587, 43.6871,
53.2246

■ 11.2722, 6.6379,
47.7012

■ 50.3264, 53.3494,
54.6591

■ 9.9842, 5.0032,
47.4536

■ 59.5613, 64.2497,
56.2763

■ 9.2616, 4.0453,
47.3068

■ 69.8999, 76.4298,
58.0824

■ 9.0894, 3.8272,
47.2738

■ 81.3769, 89.9291,
60.0831

■ 85.9697, 96.3679,
61.0839

Harmonies

Analogous

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



19.6354, 21.6757, 52.4397



23.6603, 21.6757, 49.9505



27.2477, 21.6757, 39.4573

Triad

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



23.6603, 21.6757, 49.9505



25.5755, 21.6757, 10.1903



13.9462, 21.6757, 20.8983

Complementary

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



23.6603, 21.6757, 49.9505



40.7573, 45.7642, 24.1388

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.



15.1357, 21.6757, 12.6892



23.6603, 21.6757, 49.9505



21.6000, 21.6757, 7.9265

Square

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



23.6603, 21.6757, 49.9505



28.4484, 21.6757, 16.1912



17.8195, 21.6757, 8.6662



14.3500, 21.6757, 32.9841

Rectangle

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



23.6603, 21.6757, 49.9505



28.7392, 21.6757, 30.7388



17.8195, 21.6757, 8.6662



14.1672, 21.6757, 17.6639

Sweetspot

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



23.6611, 21.6765, 49.9510



69.1229, 70.6777, 94.2004



33.8705, 42.8598, 50.9973



14.8417, 15.1133, 20.6775



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.6611, 21.6765, 49.9510



35.8254, 30.9568, 88.2885



27.8645, 23.1218, 50.0084



9.0604, 9.3130, 11.9923



6.2811, 2.6739, 32.5780



0.2616, 0.1359, 1.2813

Inverse Universe

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



30.6661, 25.1893, 21.9854



50.3374, 38.3851, 30.3196



35.1096, 44.0949, 24.1143



9.5523, 9.5452, 10.0315



14.1712, 7.2996, 0.9291



0.5630, 0.2891, 0.0778

Previews

White Background



This preview shows how the XYZ color 23.6603, 21.6757, 49.9505 looks on a white background.

Color Contrast Check

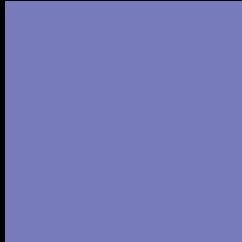
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6603, 21.6757, 49.9505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

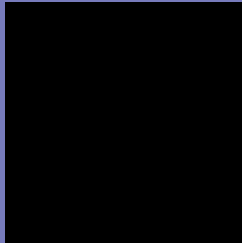
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6603, 21.6757, 49.9505

Background



This preview shows how black text looks on a background with the XYZ color 23.6603, 21.6757, 49.9505.

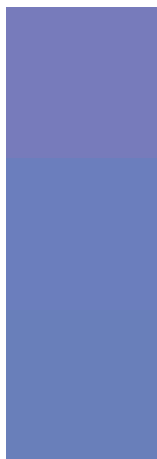


This preview shows how white text looks on a background with the XYZ color 23.6603, 21.6757,

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

23.6603, 21.6757, 49.9505

Protanopia

22.7096, 21.7216, 51.1399

Deuteranopia

22.2780, 21.7272, 49.4740



Tritanopia

19.4404, 21.7067, 28.7564

Trichromacy



Original Color

23.6603, 21.6757, 49.9505

Protanomaly

22.9663, 21.6776, 50.5507

Deuteranomaly

22.7542, 21.7819, 49.4594

Tritanomaly

20.8319, 21.6798, 35.4344

Monochromacy



Original Color

23.6603, 21.6757, 49.9505

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5518, 21.7407, 31.9146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6603, 21.6757, 49.9505 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(119, 123, 187)` looks like.

```
.text, #text, p{  
    color:rgb(119, 123, 187)  
}
```

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(119, 123, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 123, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.6603, 21.6757, 49.9505 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(119, 123, 187) }
```


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

```
.border{ border-color:rgb(119, 123, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 123, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 123, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 123, 187);  
box-shadow:4px 4px 4px 4px rgb(119, 123,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6603, 21.6757, 49.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 123, 187) }
```

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

```
.background{ background-color: rgb(119,  
123, 187) }
```

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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