

Converting Colors

XYZ(21.3603, 20.9109, 47.7101)

Have a look what the booklet for
XYZ(21.3603, 20.9109, 47.7101)
contains.

XYZ(21.3603, 20.9109, 47.7101)	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(21.3603, 20.9109,
47.7101)**

Conversions

Conversions Part 1

Format	Color
Hex	667DB7
RGB	102, 125, 183
RGB Percent	40%, 49%, 72%
CMY	0.6000, 0.5098, 0.2824
CMYK	0.44, 0.32, 0.00, 0.28
HSL	223°, 36%, 56%
HSV	223°, 44%, 72%
XYZ	21.3603, 20.9109, 47.7101
YIQ	124.7350, -32.3260, 13.1620

Conversions

Conversions Part 2

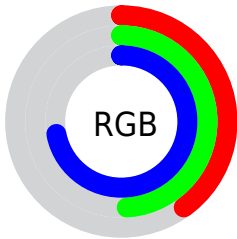
Format	Color
R_{YB}	102, 120, 183
Decimal	6716855
CIE _{Lab}	52.85, 7.22, -33.20
CIE _{LCh}	53, 33.973, 282.262
Yxy	20.9109, 0.2374, 0.2324
Android (android.graphics.Color)	4284906935 (0xFF667DB7)
YUV	124.7350, 28.7246, -19.9386
Hunter-Lab	45.7284, 3.3547, -29.8495

Details

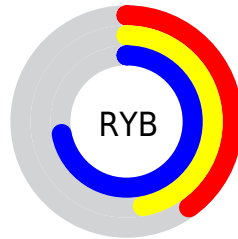
The XYZ color **21.3603, 20.9109, 47.7101** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.4981, 36.1689, 17.7342**, and the grayscale version is **19.3190, 20.3251, 22.1340**.

A 20% lighter version of the original color is **45.0124, 44.7442, 87.9254**, and **7.8326, 7.4090, 22.1363** is the 20% darker color. If you saturate the color by 10%, you get **17.9599, 16.8560, 47.1070**, and if you desaturate by 10%, it is **25.4389, 25.6411, 48.4086**.

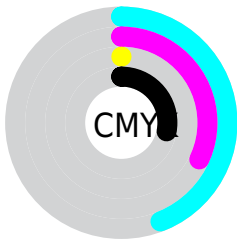
Distribution



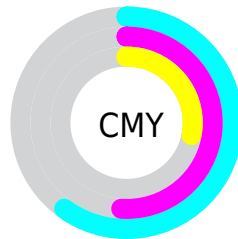
- Red (40%)
- Green (49%)
- Blue (72%)



- Red (40%)
- Yellow (47%)
- Blue (72%)



- Cyan (44%)
- Magenta (32%)
- Yellow (0%)
- Black (28%)



- Cyan (60%)
- Magenta (51%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3603, 20.9109, 47.7101 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 21.3603, 20.9109, 47.7101 by changing the saturation by 10% instead.

■ 21.3603, 20.9109,
47.7101

■ 21.3603, 20.9109,
47.7101

251.8828,
256.8046, 394.1174

■ 13.5016, 13.0589,
33.2390

■ 45.1732, 44.9392,
88.1337

■ 7.8542, 7.4691,
22.0370

■ 61.8581, 61.8843,
114.9232

■ 4.0528, 3.7572,
13.6855

■ 82.2157, 82.6292,
146.6560

■ 1.7321, 1.5387,
7.7660

■ 106.6114,
107.5583, 183.7506

■ 0.4762, 0.3157,
3.8600

135.4107,
137.0560, 226.6255

■ 0.0000, 0.0000,
1.5488

168.9787,

■ 0.0000, 0.0000,

171.5067, 275.6992

0.2539

207.6810,
211.2947, 331.3903

■ 0.0000, 0.0000,
0.0000

■ 21.3603, 20.9109,
47.7101

■ 21.3603, 20.9109,
47.7101

■ 17.9599, 16.8560,
47.1070

■ 25.4389, 25.6411,
48.4086

■ 15.1965, 13.4413,
46.5936

■ 30.2290, 31.0746,
49.2049

■ 13.0275, 10.6320,
46.1657

■ 35.7647, 37.2406,
50.1032

■ 11.4039, 8.3883,
45.8181

■ 42.0769, 44.1659,
51.1073

■ 10.2677, 6.6646,
45.5453

■ 49.1948, 51.8758,
52.2203

■ 9.7736, 5.8716,
45.4183

■ 57.1459, 60.3945,
53.4455

■ 65.9567, 69.7451,
54.7860

■ 75.6523, 79.9498,
56.2446

■ 81.8189, 88.7421,
57.6167

Harmonies

Analogous

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



17.8673, 20.9109, 46.9229



21.3603, 20.9109, 47.7101



24.8279, 20.9109, 40.5157

Triad

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



21.3603, 20.9109, 47.7101



25.3666, 20.9109, 11.9900



14.0572, 20.9109, 17.3170

Complementary

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



21.3603, 20.9109, 47.7101



34.4981, 36.1689, 17.7342

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.



15.6292, 20.9109, 11.1492



21.3603, 20.9109, 47.7101



22.0281, 20.9109, 8.7638

Square

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



21.3603, 20.9109, 47.7101



27.3189, 20.9109, 18.8641



18.4605, 20.9109, 8.5105



13.9237, 20.9109, 27.1774

Rectangle

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



21.3603, 20.9109, 47.7101



26.5491, 20.9109, 33.1323



18.4605, 20.9109, 8.5105



14.4254, 20.9109, 14.8283

Sweetspot

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



21.3610, 20.9117, 47.7106



65.1701, 67.9297, 89.9126



28.6456, 39.1851, 38.7189



13.8778, 14.4330, 19.7760



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.3610, 20.9117, 47.7106



32.3786, 30.4467, 84.4060



20.7978, 16.7880, 46.9444



8.7232, 9.1237, 11.3807



6.8697, 4.1990, 31.7015



0.2967, 0.2570, 1.1357

Inverse Universe

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



27.9821, 21.0514, 21.9913



45.9882, 31.6113, 31.3431



35.2264, 43.0205, 19.0183



9.1067, 9.0530, 9.9090



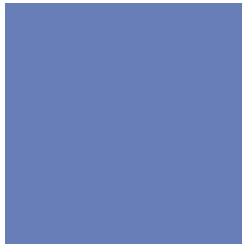
14.0812, 7.2062, 3.0482



0.5239, 0.2650, 0.2523

Previews

White Background



This preview shows how the XYZ color 21.3603, 20.9109, 47.7101 looks on a white background.

Color Contrast Check

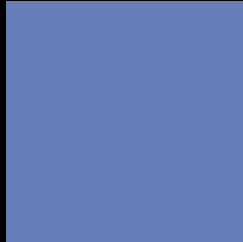
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3603, 20.9109, 47.7101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

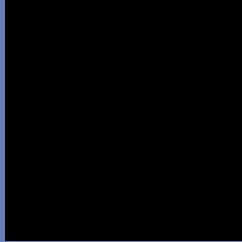
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

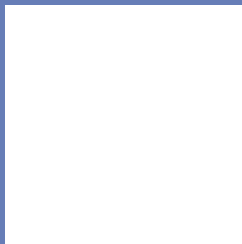
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3603, 20.9109, 47.7101

Background



This preview shows how black text looks on a background with the XYZ color 21.3603, 20.9109, 47.7101.

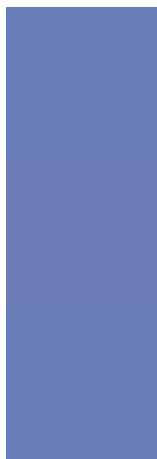


This preview shows how white text looks on a background with the XYZ color 21.3603, 20.9109,

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

21.3603, 20.9109, 47.7101

Protanopia

21.7146, 20.9185, 47.1492

Deuteranopia

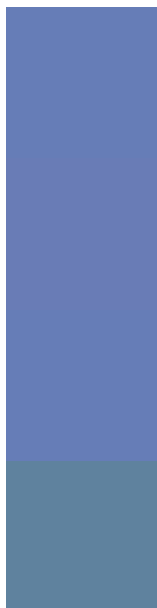
21.3603, 20.9109, 47.7101



Tritanopia

17.6598, 20.9824, 29.1058

Trichromacy



Original Color

21.3603, 20.9109, 47.7101

Protanomaly

21.4768, 20.7960, 47.1380

Deuteranomaly

21.3603, 20.9109, 47.7101

Tritanomaly

18.8735, 20.8668, 35.3807

Monochromacy



Original Color

21.3603, 20.9109, 47.7101

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8580, 20.5245, 30.1091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3603, 20.9109, 47.7101 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(102, 125, 183)` looks like.

```
.text, #text, p{  
    color:rgb(102, 125, 183)  
}
```

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(102, 125, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 125, 183) }
```

Border

The CSS property to change the border of an element to XYZ 21.3603, 20.9109, 47.7101 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(102, 125, 183) }
```


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

```
.border{ border-color:rgb(102, 125, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 125, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 125, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 125, 183);  
box-shadow:4px 4px 4px 4px rgb(102, 125,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3603, 20.9109, 47.7101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 125, 183) }
```

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

```
.background{ background-color: rgb(102,  
125, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor