

Converting Colors

XYZ(21.6973, 21.2493, 48.8569)

Have a look what the booklet for
XYZ(21.6973, 21.2493, 48.8569)
contains.

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Color

**XYZ(21.6973, 21.2493,
48.8569)**

Conversions

Conversions Part 1

Format	Color
Hex	667EB9
RGB	102, 126, 185
RGB Percent	40%, 49%, 73%
CMY	0.6000, 0.5059, 0.2745
CMYK	0.45, 0.32, 0.00, 0.27
HSL	223°, 37%, 56%
HSV	223°, 45%, 73%
XYZ	21.6973, 21.2493, 48.8569
YIQ	125.5500, -33.2430, 13.2610

Conversions

Conversions Part 2

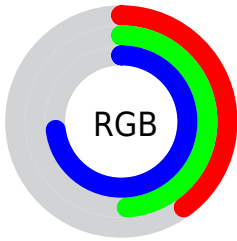
Format	Color
R_{YB}	102, 121, 185
Decimal	6717113
CIE Lab	53.22, 7.21, -33.77
CIE LCh	53, 34.530, 282.057
Yxy	21.2493, 0.2363, 0.2315
Android (android.graphics.Color)	4284907193 (0xFF667EB9)
YUV	125.5500, 29.3089, -20.6533
Hunter-Lab	46.0970, 3.3482, -30.5720

Details

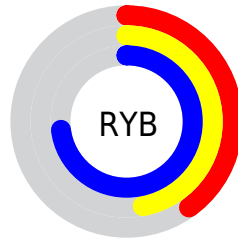
The XYZ color **21.6973, 21.2493, 48.8569** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.1514, 36.7642, 17.8148**, and the grayscale version is **19.5913, 20.6116, 22.4460**.

A 20% lighter version of the original color is **45.5079, 45.2596, 89.5565**, and **8.0377, 7.6021, 22.8735** is the 20% darker color. If you saturate the color by 10%, you get **18.2575, 17.1419, 48.2458**, and if you desaturate by 10%, it is **25.8276, 26.0416, 49.5646**.

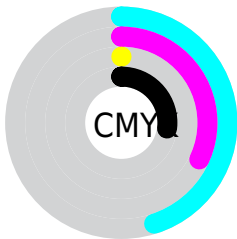
Distribution



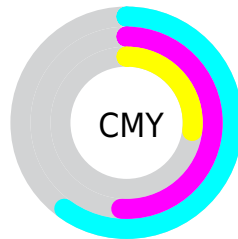
- Red (40%)
- Green (49%)
- Blue (73%)



- Red (40%)
- Yellow (47%)
- Blue (73%)



- Cyan (45%)
- Magenta (32%)
- Yellow (0%)
- Black (27%)



- Cyan (60%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6973, 21.2493, 48.8569 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 21.6973, 21.2493, 48.8569 by changing the saturation by 10% instead.

■ 21.6973, 21.2493,
48.8569

■ 21.6973, 21.2493,
48.8569

253.6236,
258.6004, 398.7850

■ 13.7500, 13.3064,
34.1412

■ 45.7278, 45.5021,
89.8577

■ 8.0275, 7.6398,
22.7238

■ 62.5417, 62.5807,
116.9798

■ 4.1645, 3.8654,
14.1863

■ 83.0418, 83.4733,
149.0745

■ 1.7956, 1.5985,
8.1102

■ 107.5935,
108.5643, 186.5602

■ 0.5150, 0.3566,
4.0767

136.5622,
138.2382, 229.8556

■ 0.0000, 0.0000,
1.6675

170.3132,

■ 0.0000, 0.0000,

172.8792, 279.3792

0.3383

209.2119,
212.8718, 335.5494

■ 0.0000, 0.0000,
0.0000

■ 21.6973, 21.2493,
48.8569

■ 21.6973, 21.2493,
48.8569

■ 18.2575, 17.1419,
48.2458

■ 25.8276, 26.0416,
49.5646

■ 15.4657, 13.6838,
47.7254

■ 30.6827, 31.5473,
50.3714

■ 13.2784, 10.8392,
47.2917

■ 36.2974, 37.7962,
51.2817

■ 11.6449, 8.5674,
46.9393

■ 42.7035, 44.8156,
52.2989

■ 10.5049, 6.8219,
46.6624

■ 49.9308, 52.6312,
53.4265

■ 10.0527, 6.0942,
46.5458

■ 58.0078, 61.2676,
54.6678

■ 66.9613, 70.7484,
56.0259

■ 76.8171, 81.0961,
57.5038

■ 82.4559, 89.6805,
58.8635

Harmonies

Analogous

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



18.1127, 21.2493, 47.9838



21.6973, 21.2493, 48.8569



25.2676, 21.2493, 41.4798

Triad

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



21.6973, 21.2493, 48.8569



25.8633, 21.2493, 12.1231



14.2333, 21.2493, 17.4853

Complementary

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



21.6973, 21.2493, 48.8569



35.1514, 36.7642, 17.8148

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.



15.8543, 21.2493, 11.2000



21.6973, 21.2493, 48.8569



22.4349, 21.2493, 8.8077

Square

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



21.6973, 21.2493, 48.8569



27.8596, 21.2493, 19.1903



18.7672, 21.2493, 8.5304



14.0862, 21.2493, 27.5905

Rectangle

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



21.6973, 21.2493, 48.8569



27.0464, 21.2493, 33.8806



18.7672, 21.2493, 8.5304



14.6139, 21.2493, 14.9448

Sweetspot

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



21.6981, 21.2501, 48.8574



66.8025, 69.6709, 92.1316



29.1831, 40.0648, 39.4995



13.8881, 14.4536, 19.7794



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.



21.6981, 21.2501, 48.8574



32.6879, 30.6877, 86.4051



21.0621, 16.9001, 48.0513



8.7270, 9.1313, 11.3820



6.9002, 4.2601, 31.7117



0.2982, 0.2601, 1.1362

Inverse Universe

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



28.5255, 21.3242, 22.3519



46.7584, 31.8096, 31.5636



35.9816, 44.0266, 19.1728



9.1086, 9.0538, 9.9191



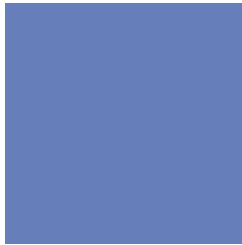
14.0966, 7.2124, 3.1295



0.5247, 0.2654, 0.2565

Previews

White Background



This preview shows how the XYZ color 21.6973, 21.2493, 48.8569 looks on a white background.

Color Contrast Check

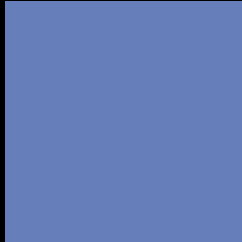
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6973, 21.2493, 48.8569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

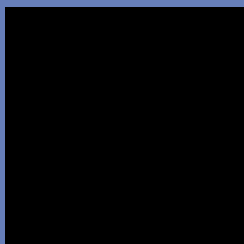
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

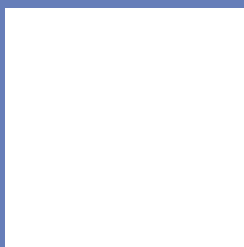
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6973, 21.2493, 48.8569

Background



This preview shows how black text looks on a background with the XYZ color 21.6973, 21.2493, 48.8569.

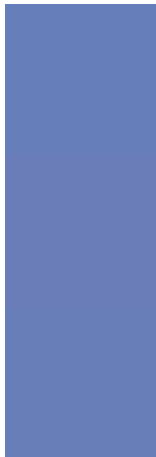


This preview shows how white text looks on a background with the XYZ color 21.6973, 21.2493,

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

21.6973, 21.2493, 48.8569

Protanopia

22.0487, 21.2537, 48.2877

Deuteranopia

21.8113, 21.3081, 48.8622



Tritanopia

17.9503, 21.3187, 29.9569

Trichromacy



Original Color

21.6973, 21.2493, 48.8569

Protanomaly

21.8110, 21.1312, 48.2766

Deuteranomaly

21.8113, 21.3081, 48.8622

Tritanomaly

19.1808, 21.2036, 36.3395

Monochromacy



Original Color

21.6973, 21.2493, 48.8569

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0634, 20.8102, 30.5631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6973, 21.2493, 48.8569 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, 126, 185)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 185)  
}
```

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, 126, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 185) }
```

Border

The CSS property to change the border of an element to XYZ 21.6973, 21.2493, 48.8569 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, 126, 185) }
```


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

```
.border{ border-color:rgb(102, 126, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 126, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 185);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6973, 21.2493, 48.8569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 126, 185) }
```

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

```
.background{ background-color: rgb(102,  
126, 185) }
```

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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