

Converting Colors

XYZ(21.6469, 27.4872, 50.0216)

Have a look what the booklet for
XYZ(21.6469, 27.4872, 50.0216)
contains.

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Color

**XYZ(21.6972, 27.5739,
50.0777)**

Conversions

Conversions Part 1

Format	Color
Hex	309BB9
RGB	48, 155, 185
RGB Percent	19%, 61%, 73%
CMY	0.8117, 0.3921, 0.2745
CMYK	0.74, 0.16, 0.00, 0.27
HSL	193°, 59%, 46%
HSV	193°, 74%, 73%
XYZ	21.6972, 27.5739, 50.0777
YIQ	126.4270, -73.4020, -13.3540

Conversions

Conversions Part 2

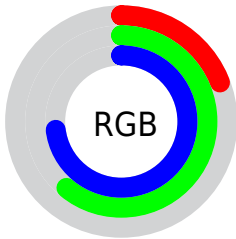
Format	Color
R_{YB}	48, 108, 185
Decimal	3185593
CIE _{Lab}	59.50, -19.86, -24.20
CIE _{LCh}	60, 31.309, 230.633
Yxy	27.5739, 0.2184, 0.2775
Android (android.graphics.Color)	4281375673 (0xFF309BB9)
YUV	126.4270, 28.8765, -68.7805
Hunter-Lab	52.5109, -18.1388, -19.7851

Details

The XYZ color **21.6972, 27.5739, 50.0777** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **23.2664, 15.9776, 4.6549**, and the grayscale version is **19.9003, 20.9367, 22.8001**.

A 20% lighter version of the original color is **45.8632, 56.0215, 91.6151**, and **9.1152, 11.5666, 23.5819** is the 20% darker color. If you saturate the color by 10%, you get **20.3370, 25.8890, 49.8247**, and if you desaturate by 10%, it is **23.4456, 29.4935, 50.3566**.

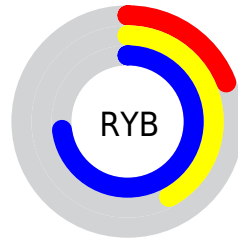
Distribution



Red (19%)

Green (61%)

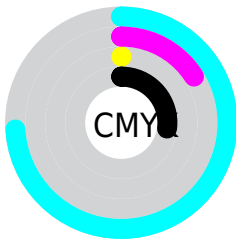
Blue (73%)



Red (19%)

Yellow (42%)

Blue (73%)

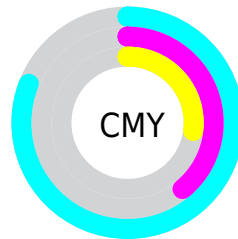


Cyan (74%)

Magenta (16%)

Yellow (0%)

Black (27%)



Cyan (81%)

Magenta (39%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6972, 27.5739, 50.0777 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 21.6972, 27.5739, 50.0777 by changing the saturation by 10% instead.

■ 21.6972, 27.5739,
50.0777

■ 21.6972, 27.5739,
50.0777

253.6231,
290.4252, 403.7135

■ 13.7499, 18.0047,
35.1035

■ 45.7276, 55.8034,
91.6875

■ 8.0275, 10.9534,
23.4584

■ 62.5415, 75.2326,
119.1602

■ 4.1645, 6.0355,
14.7239

■ 83.0416, 98.7171,
151.6361

■ 1.7956, 2.8667,
8.4814

■ 107.5932,
126.6415, 189.5338

■ 0.5150, 1.0625,
4.3123

■ 136.5619,
159.3901, 233.2719

■ 0.0000, 0.0000,
1.7982

170.3128,

■ 0.0000, 0.0000,

197.3473, 283.2688

0.4268

209.2114,
240.8976, 339.9432

■ 0.0000, 0.0000,
0.0000

■ 21.6972, 27.5739,
50.0777

■ 21.6972, 27.5739,
50.0777

■ 20.3370, 25.8890,
49.8247

■ 23.4456, 29.4935,
50.3566

■ 19.3134, 24.4104,
49.5933

■ 25.6199, 31.6661,
50.6614

■ 18.8046, 23.5980,
49.4633

■ 28.2564, 34.1111,
50.9943

■ 31.3863, 36.8451,
51.3571

■ 35.0384, 39.8831,
51.7510

■ 39.2390, 43.2389,
52.1773

■ 44.0126, 46.9256,
52.6373

■ 49.3821, 50.9553,
53.1321

■ 55.3693, 55.3394,
53.6628

Harmonies

Analogous

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



19.7475, 27.5739, 38.3220



21.6972, 27.5739, 50.0777



24.9962, 27.5739, 56.8705

Triad

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



21.6972, 27.5739, 50.0777



34.4022, 27.5739, 33.6890



23.6321, 27.5739, 13.9708

Complementary

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



21.6972, 27.5739, 50.0777



23.2664, 15.9776, 4.6549

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.



27.4587, 27.5739, 13.3203



21.6972, 27.5739, 50.0777



33.9435, 27.5739, 23.0185

Square

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



21.6972, 27.5739, 50.0777



32.5016, 27.5739, 45.9665



31.3047, 27.5739, 16.1968



20.7846, 27.5739, 18.2724

Rectangle

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



21.6972, 27.5739, 50.0777



27.6287, 27.5739, 56.7435



31.3047, 27.5739, 16.1968



24.8371, 27.5739, 13.3687

Sweetspot

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



21.6981, 27.5749, 50.0784



63.9542, 72.4046, 92.8094



19.9325, 35.8725, 13.0231



13.3792, 15.2771, 19.9652



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, 27.5749, 50.0784



35.1856, 44.6310, 88.9648



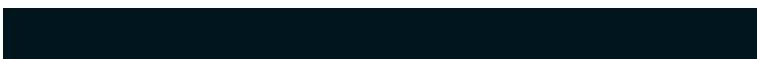
13.3702, 10.9191, 47.3024



9.0953, 9.8679, 11.5048



12.8595, 16.1787, 33.6981



0.4953, 0.6544, 1.2019

Inverse Universe

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



26.9817, 14.7956, 32.4452



45.8349, 23.0775, 52.4817



30.8491, 31.1432, 7.1825



9.2945, 9.1282, 10.8980



17.1046, 8.4156, 18.9692



0.6242, 0.3052, 0.7804

Previews

White Background



This preview shows how the XYZ color 21.6972, 27.5739, 50.0777 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 21.6972, 27.5739, 50.0777 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

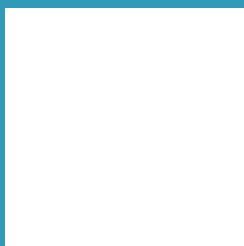
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6972, 27.5739, 50.0777

Background



This preview shows how black text looks on a background with the XYZ color 21.6972, 27.5739, 50.0777.

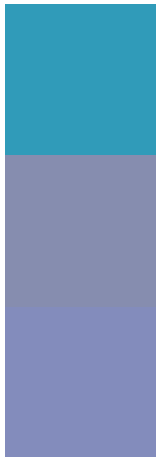


This preview shows how white text looks on a background with the XYZ color 21.6972, 27.5739,

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

21.6972, 27.5739, 50.0777

Protanopia

27.0943, 27.2132, 44.3821

Deuteranopia

27.8153, 27.2123, 51.3634



Tritanopia

20.2101, 27.7311, 42.3177

Trichromacy



Original Color

21.6972, 27.5739, 50.0777

Protanomaly

24.0091, 26.6960, 46.5353

Deuteranomaly

24.4619, 26.6054, 50.8598

Tritanomaly

20.6699, 27.6602, 44.8070

Monochromacy



Original Color

21.6972, 27.5739, 50.0777

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.2491, 22.5946, 30.9504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6972, 27.5739, 50.0777 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(48, 155, 185)` looks like.

```
.text, #text, p{  
    color:rgb(48, 155, 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(48, 155, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 155, 185) }
```

Border

The CSS property to change the border of an element to XYZ 21.6972, 27.5739, 50.0777 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(48, 155, 185) }
```


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

```
.border{ border-color:rgb(48, 155, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 155, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 155, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 155, 185);  
box-shadow:4px 4px 4px 4px rgb(48, 155,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6972, 27.5739, 50.0777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 155, 185) }
```

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

```
.background{ background-color: rgb(48, 155,  
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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