

Converting Colors

XYZ(13.0940, 23.6366, 53.1618)

Have a look what the booklet for
XYZ(13.0940, 23.6366, 53.1618)
contains.

XYZ(21.4609, 27.8755, 53.5396)	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(21.4609, 27.8755,
53.5396)**

Conversions

Conversions Part 1

Format	Color
Hex	009DBF
RGB	0, 157, 191
RGB Percent	0%, 62%, 75%
CMY	0.9999, 0.3843, 0.2510
CMYK	1.00, 0.18, 0.00, 0.25
HSL	191°, 100%, 37%
HSV	191°, 100%, 75%
XYZ	21.4609, 27.8755, 53.5396
YIQ	113.9330, -104.4860, -22.7100

Conversions

Conversions Part 2

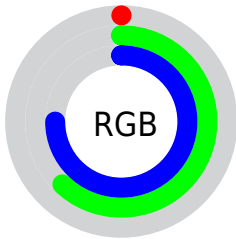
Format	Color
RYB	0, 86, 191
Decimal	40383
CIELab	59.78, -22.15, -27.21
CIELCh	60, 35.089, 230.848
Yxy	27.8755, 0.2086, 0.2710
Android (android.graphics.Color)	4278230463 (0xFF009DBF)
YUV	113.9330, 37.9940, -99.9192
Hunter-Lab	52.7973, -19.8389, -23.1656

Details

The XYZ color **21.4609, 27.8755, 53.5396** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.0594, 12.2227, 1.1976**, and the grayscale version is **15.8900, 16.7175, 18.2054**.

A 20% lighter version of the original color is **45.3690, 56.3990, 96.4906**, and **9.5669, 11.9093, 25.4614** is the 20% darker color. If you saturate the color by 10%, you get **21.4603, 27.8740, 53.5399**, and if you desaturate by 10%, it is **22.3160, 29.1829, 53.7474**.

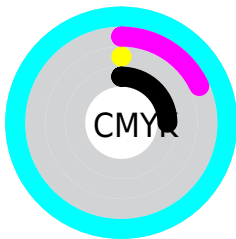
Distribution



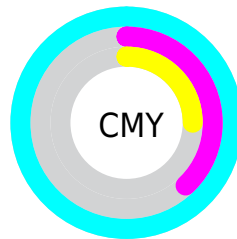
- Red (0%)
- Green (62%)
- Blue (75%)



- Red (0%)
- Yellow (34%)
- Blue (75%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (38%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4609, 27.8755, 53.5396 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 21.4609, 27.8755, 53.5396 by changing the saturation by 10% instead.

■ 21.4609, 27.8755,
53.5396

■ 21.4609, 27.8755,
53.5396

252.4035,
291.8715, 417.4768

■ 13.5757, 18.2318,
37.8430

■ 45.3389, 56.2856,
96.8475

■ 7.9059, 11.1166,
25.5600

■ 62.0623, 75.8208,
125.2959

■ 4.0861, 6.1453,
16.2720

■ 82.4626, 99.4220,
158.8320

■ 1.7509, 2.9336,
9.5604

■ 106.9051,
127.4736, 197.8743

■ 0.4878, 1.0972,
5.0067

■ 135.7550,
160.3600, 242.8414

■ 0.0000, 0.0000,
2.1924

■ 169.3778,

■ 0.0000, 0.0000,

198.4655, 294.1518

0.6700

208.1389,
242.1745, 352.2241

■ 0.0000, 0.0000,
0.0000

■ 21.4609, 27.8755,
53.5396

■ 21.4609, 27.8755,
53.5396

■ 21.4603, 27.8740,
53.5399

■ 22.3160, 29.1829,
53.7474

■ 23.4524, 30.6587,
53.9724

■ 24.9668, 32.3535,
54.2197

■ 26.9077, 34.2926,
54.4917

■ 29.3164, 36.4974,
54.7903

■ 32.2291, 38.9866,
55.1173

■ 35.6783, 41.7773,
55.4741

■ 39.6938, 44.8850,
55.8623

■ 44.3031, 48.3240,
56.2832

Harmonies

Analogous

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



19.2893, 27.8755, 39.9132



21.4609, 27.8755, 53.5396



25.1597, 27.8755, 61.4628

Triad

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



21.4609, 27.8755, 53.5396



35.8508, 27.8755, 34.4100



23.5706, 27.8755, 12.7540

Complementary

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



21.4609, 27.8755, 53.5396



22.0594, 12.2227, 1.1976

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.



27.8764, 27.8755, 12.0440



21.4609, 27.8755, 53.5396



35.3027, 27.8755, 22.4539

Square

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



21.4609, 27.8755, 53.5396



33.6835, 27.8755, 48.5584



32.2601, 27.8755, 15.0631



20.4094, 27.8755, 17.3815

Rectangle

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



21.4609, 27.8755, 53.5396



28.1346, 27.8755, 61.2619



32.2601, 27.8755, 15.0631



24.9201, 27.8755, 12.1120

Sweetspot

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



21.4618, 27.8765, 53.5403



63.5705, 74.5624, 99.3206



18.8903, 37.3658, 7.5736



13.3585, 15.8924, 21.7488



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.4618, 27.8765, 53.5403



38.2723, 49.5965, 95.8350



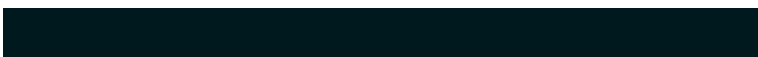
11.2206, 7.3940, 50.1265



9.6602, 10.5127, 12.1922



14.1564, 18.4246, 35.2031



0.5930, 0.7986, 1.3917

Inverse Universe

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



27.5725, 13.5117, 33.0540



49.2981, 24.1645, 58.7610



29.1205, 26.3449, 3.5513



9.8551, 9.6663, 11.6259



18.1463, 8.8897, 21.8617



0.7302, 0.3560, 0.9585

Previews

White Background



This preview shows how the XYZ color 21.4609, 27.8755, 53.5396 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 21.4609, 27.8755, 53.5396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

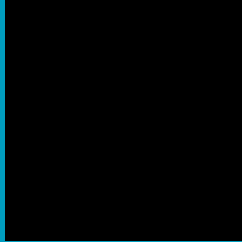
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4609, 27.8755, 53.5396

Background



This preview shows how black text looks on a background with the XYZ color 21.4609, 27.8755, 53.5396.

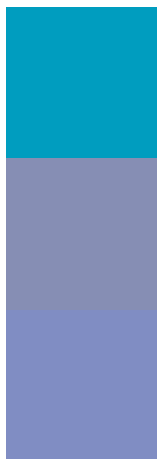


This preview shows how white text looks on a background with the XYZ color 21.4609, 27.8755,

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

21.4609, 27.8755, 53.5396

Protanopia

27.7427, 27.7096, 47.0663

Deuteranopia

28.2773, 27.5791, 55.4627



Tritanopia

19.8445, 27.7748, 43.3449

Trichromacy



Original Color

21.4609, 27.8755, 53.5396



Protanomaly

22.8318, 26.2594, 49.2126



Deuteranomaly

23.5647, 26.5118, 54.9142



Tritanomaly

20.3635, 27.7084, 46.9228

Monochromacy



Original Color

21.4609, 27.8755, 53.5396



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.6128, 19.3347, 28.5003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4609, 27.8755, 53.5396 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(0, 157, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 191)  
}
```

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(0, 157, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.4609, 27.8755, 53.5396 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(0, 157, 191) }
```


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

```
.border{ border-color:rgb(0, 157, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4609, 27.8755, 53.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 191) }
```

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

```
.background{ background-color: rgb(0, 157,  
191) }
```

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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