

Converting Colors

XYZ(21.2255, 27.3605, 53.5970)

Have a look what the booklet for
XYZ(21.2255, 27.3605, 53.5970)
contains.

XYZ(21.1253, 27.2043, 53.4277)	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(21.1253, 27.2043,
53.4277)**

Conversions

Conversions Part 1

Format	Color
Hex	009BBF
RGB	0, 155, 191
RGB Percent	0%, 61%, 75%
CMY	0.9999, 0.3921, 0.2510
CMYK	1.00, 0.19, 0.00, 0.25
HSL	191°, 100%, 37%
HSV	191°, 100%, 75%
XYZ	21.1253, 27.2043, 53.4277
YIQ	112.7590, -103.9360, -21.6640

Conversions

Conversions Part 2

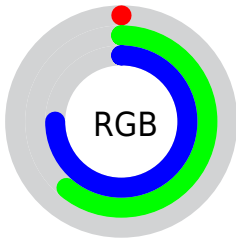
Format	Color
RYB	0, 86, 191
Decimal	39871
CIELab	59.16, -21.11, -28.16
CIELCh	59, 35.190, 233.144
Yxy	27.2043, 0.2076, 0.2673
Android (android.graphics.Color)	4278229951 (0xFF009BBF)
YUV	112.7590, 38.5728, -98.8896
Hunter-Lab	52.1577, -18.9787, -24.2232

Details

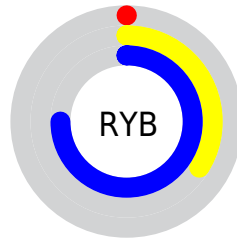
The XYZ color **21.1253, 27.2043, 53.4277** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.1183, 12.3405, 1.2173**, and the grayscale version is **15.5399, 16.3492, 17.8042**.

A 20% lighter version of the original color is **44.7649, 55.3500, 96.3199**, and **9.4657, 11.7068, 25.4276** is the 20% darker color. If you saturate the color by 10%, you get **21.1246, 27.2026, 53.4280**, and if you desaturate by 10%, it is **22.0052, 28.5613, 53.6438**.

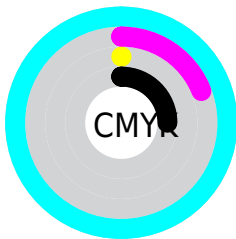
Distribution



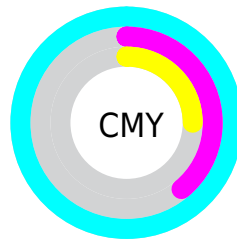
- Red (0%)
- Green (61%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (39%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1253, 27.2043, 53.4277 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 21.1253, 27.2043, 53.4277 by changing the saturation by 10% instead.

■ 21.1253, 27.2043,
53.4277

■ 21.1253, 27.2043,
53.4277

250.6628,
288.6449, 417.0366

■ 13.3286, 17.7267,
37.7543

■ 44.7857, 55.2115,
96.6813

■ 7.7338, 10.7540,
25.4917

■ 61.3801, 74.5100,
125.0986

■ 3.9754, 5.9016,
16.2214

■ 81.6378, 97.8508,
158.6009

■ 1.6882, 2.7854,
9.5249

■ 105.9241,
125.6185, 197.6068

■ 0.4489, 1.0207,
4.9837

■ 134.6044,
158.1973, 242.5347

■ 0.0000, 0.0000,
2.1791

■ 168.0440,

■ 0.0000, 0.0000,

195.9717, 293.8033

0.6623

206.6084,
239.3261, 351.8311

■ 0.0000, 0.0000,
0.0000

■ 21.1253, 27.2043,
53.4277

■ 21.1253, 27.2043,
53.4277

■ 21.1246, 27.2026,
53.4280

■ 22.0052, 28.5613,
53.6438

■ 23.1684, 30.0906,
53.8777

■ 24.7113, 31.8426,
54.1345

■ 26.6828, 33.8428,
54.4167

■ 29.1240, 36.1125,
54.7261

■ 32.0712, 38.6707,
55.0646

■ 35.5568, 41.5343,
55.4336

■ 39.6108, 44.7190,
55.8346

■ 44.2607, 48.2391,
56.2690

Harmonies

Analogous

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



18.8574, 27.2043, 40.1536



21.1253, 27.2043, 53.4277



24.8641, 27.2043, 60.6182

Triad

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



21.1253, 27.2043, 53.4277



35.1568, 27.2043, 32.5956



22.6846, 27.2043, 12.5118

Complementary

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



21.1253, 27.2043, 53.4277



22.1183, 12.3405, 1.2173

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.



26.8757, 27.2043, 11.5418



21.1253, 27.2043, 53.4277



34.4039, 27.2043, 21.1127

Square

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



21.1253, 27.2043, 53.4277



33.2015, 27.2043, 46.5795



31.2469, 27.2043, 14.2043



19.6841, 27.2043, 17.3769

Rectangle

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



21.1253, 27.2043, 53.4277



27.8206, 27.2043, 59.8802



31.2469, 27.2043, 14.2043



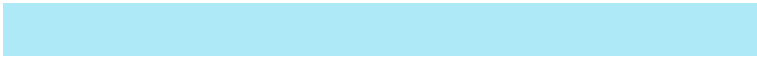
23.9878, 27.2043, 11.7887

Sweetspot

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



21.1262, 27.2052, 53.4284



63.3496, 74.1205, 99.2469



18.9355, 37.3839, 7.8116



13.3038, 15.7830, 21.7305



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.



21.1262, 27.2052, 53.4284



37.6644, 48.3806, 95.6324



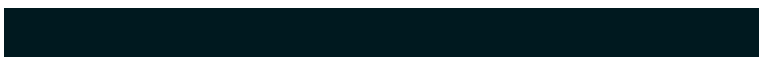
11.0472, 7.0472, 50.0687



9.6516, 10.4954, 12.1893



13.9380, 17.9878, 35.1303



0.5861, 0.7849, 1.3895

Inverse Universe

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



27.4031, 13.4439, 32.1619



48.9912, 24.0418, 57.1452



29.5395, 27.1830, 3.6910



9.8507, 9.6646, 11.6029



18.0360, 8.8456, 21.2812



0.7268, 0.3546, 0.9403

Previews

White Background



This preview shows how the XYZ color 21.1253, 27.2043, 53.4277 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 21.1253, 27.2043, 53.4277 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

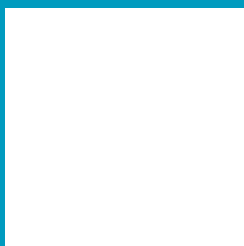
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1253, 27.2043, 53.4277

Background



This preview shows how black text looks on a background with the XYZ color 21.1253, 27.2043, 53.4277.

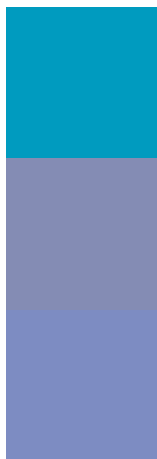


This preview shows how white text looks on a background with the XYZ color 21.1253, 27.2043,

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

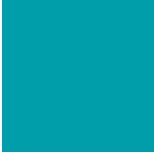
21.1253, 27.2043, 53.4277

Protanopia

27.1320, 26.9570, 46.9532

Deuteranopia

27.5731, 27.0112, 54.7994



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

21.1253, 27.2043, 53.4277

Protanomaly

22.4333, 25.5963, 49.1056

Deuteranomaly

23.0593, 25.8065, 54.2179

Tritanomaly

20.0929, 27.3283, 46.3354

Monochromacy



Original Color

21.1253, 27.2043, 53.4277

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.1994, 18.7391, 28.0152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1253, 27.2043, 53.4277 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, 155, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 191) }
```

Border

The CSS property to change the border of an element to XYZ 21.1253, 27.2043, 53.4277 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, 155, 191) }
```


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

```
.border{ border-color:rgb(0, 155, 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, 155, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1253, 27.2043, 53.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 191) }
```

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

```
.background{ background-color: rgb(0, 155,  
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](#).

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