

Converting Colors

XYZ(12.8667, 22.8921, 52.5097)

Have a look what the booklet for
XYZ(12.8667, 22.8921, 52.5097)
contains.

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Color

**XYZ(21.0156, 27.1604,
52.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	009BBE
RGB	0, 155, 190
RGB Percent	0%, 61%, 75%
CMY	0.9998, 0.3921, 0.2549
CMYK	1.00, 0.18, 0.00, 0.25
HSL	191°, 100%, 37%
HSV	191°, 100%, 75%
XYZ	21.0156, 27.1604, 52.8500
YIQ	112.6450, -103.6150, -21.9750

Conversions

Conversions Part 2

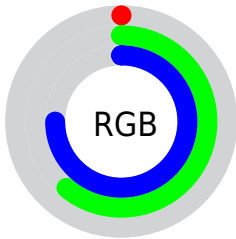
Format	Color
RYB	0, 85, 190
Decimal	39870
CIELab	59.12, -21.46, -27.66
CIELCh	59, 35.004, 232.193
Yxy	27.1604, 0.2080, 0.2688
Android (android.graphics.Color)	4278229950 (0xFF009BBE)
YUV	112.6450, 38.1360, -98.7897
Hunter-Lab	52.1156, -19.2224, -23.6445

Details

The XYZ color **21.0156, 27.1604, 52.8500** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.8378, 12.1516, 1.1956**, and the grayscale version is **15.5075, 16.3151, 17.7672**.

A 20% lighter version of the original color is **44.6109, 55.2884, 95.5093**, and **9.3942, 11.6782, 25.0515** is the 20% darker color. If you saturate the color by 10%, you get **21.0148, 27.1587, 52.8503**, and if you desaturate by 10%, it is **21.8764, 28.4821, 53.0603**.

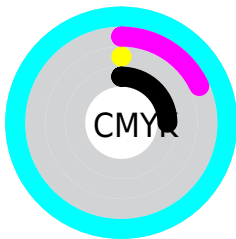
Distribution



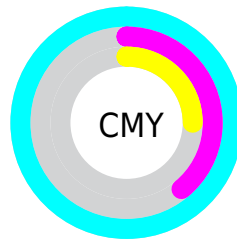
- Red (0%)
- Green (61%)
- Blue (75%)



- Red (0%)
- Yellow (33%)
- Blue (75%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0156, 27.1604, 52.8500 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 21.0156, 27.1604, 52.8500 by changing the saturation by 10% instead.

■ 21.0156, 27.1604,
52.8500

■ 21.0156, 27.1604,
52.8500

■ 250.0915,
288.4329, 414.7593

■ 13.2479, 17.6937,
37.2961

■ 44.6046, 55.1412,
95.8229

■ 7.6777, 10.7303,
25.1393

■ 61.1566, 74.4240,
124.0791

■ 3.9395, 5.8858,
15.9609

■ 81.3674, 97.7477,
157.4064

■ 1.6679, 2.7758,
9.3424

■ 105.6025,
125.4967, 196.2234

■ 0.4361, 1.0158,
4.8653

■ 134.2270,
158.0553, 240.9486

■ 0.0000, 0.0000,
2.1111

■ 167.6065,

■ 0.0000, 0.0000,

195.8079, 292.0007

0.6224

206.1062,
239.1390, 349.7981

■ 0.0000, 0.0000,
0.0000

■ 21.0156, 27.1604,
52.8500

■ 21.0156, 27.1604,
52.8500

■ 21.0148, 27.1587,
52.8503

■ 21.8764, 28.4821,
53.0603

■ 23.0160, 29.9723,
53.2879

■ 24.5301, 31.6811,
53.5379

■ 26.4667, 33.6334,
53.8127

■ 28.8666, 35.8504,
54.1141

■ 31.7653, 38.3507,
54.4439

■ 35.1952, 41.1510,
54.8037

■ 39.1855, 44.2667,
55.1947

■ 43.7636, 47.7121,
55.6185

Harmonies

Analogous

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



18.8133, 27.1604, 39.5861



21.0156, 27.1604, 52.8500



24.6946, 27.1604, 60.2562

Triad

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



21.0156, 27.1604, 52.8500



35.0298, 27.1604, 32.9510



22.7801, 27.1604, 12.4643

Complementary

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



21.0156, 27.1604, 52.8500



21.8378, 12.1516, 1.1956

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.



26.9691, 27.1604, 11.6109



21.0156, 27.1604, 52.8500



34.3689, 27.1604, 21.4092

Square

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



21.0156, 27.1604, 52.8500



33.0109, 27.1604, 46.8406



31.2949, 27.1604, 14.3862



19.7493, 27.1604, 17.1756

Rectangle

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



21.0156, 27.1604, 52.8500



27.6241, 27.1604, 59.7455



31.2949, 27.1604, 14.3862



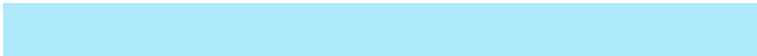
24.0869, 27.1604, 11.7826

Sweetspot

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



21.0165, 27.1613, 52.8507



63.4396, 74.3005, 99.2769



18.7155, 36.9481, 7.7249



13.3261, 15.8275, 21.7380



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.



21.0165, 27.1613, 52.8507



37.9110, 48.8739, 95.7146



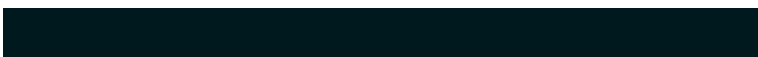
10.9209, 6.9700, 49.4855



9.6551, 10.5025, 12.1905



14.0267, 18.1651, 35.1598



0.5889, 0.7905, 1.3904

Inverse Universe

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



27.1524, 13.3147, 32.1501



49.1157, 24.0916, 57.8008



29.1978, 26.8717, 3.6490



9.8525, 9.6653, 11.6123



18.0808, 8.8635, 21.5168



0.7282, 0.3552, 0.9477

Previews

White Background



This preview shows how the XYZ color 21.0156, 27.1604, 52.8500 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 21.0156, 27.1604, 52.8500 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

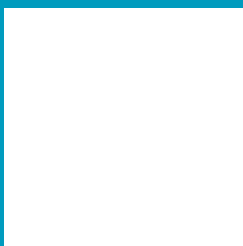
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0156, 27.1604, 52.8500

Background



This preview shows how black text looks on a background with the XYZ color 21.0156, 27.1604, 52.8500.

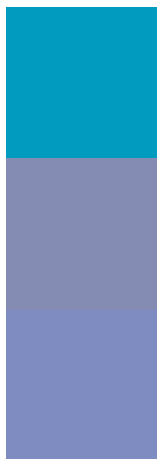


This preview shows how white text looks on a background with the XYZ color 21.0156, 27.1604,

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

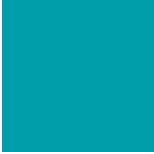
21.0156, 27.1604, 52.8500

Protanopia

27.0305, 26.9164, 46.4185

Deuteranopia

27.7199, 27.0868, 54.8062



Tritanopia

19.3127, 27.0162, 42.2270

Trichromacy



Original Color

21.0156, 27.1604, 52.8500

Protanomaly

22.3288, 25.5545, 48.5554

Deuteranomaly

23.0593, 25.8065, 54.2179

Tritanomaly

19.8243, 26.9513, 45.7522

Monochromacy



Original Color

21.0156, 27.1604, 52.8500

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 21.0156, 27.1604, 52.8500 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 190) }
```

Border

The CSS property to change the border of an element to XYZ 21.0156, 27.1604, 52.8500 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, 190) }
```


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

```
.border{ border-color:rgb(0, 155, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 155, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 155, 190); box-shadow:4px 4px 4px 4px rgb(0, 155, 190) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0156, 27.1604, 52.8500 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, 190) }
```

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

```
.background{ background-color: rgb(0, 155,  
190) }
```

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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