

Converting Colors

XYZ(20.8650, 26.5013, 55.7640)

Have a look what the booklet for
XYZ(20.8650, 26.5013, 55.7640)
contains.

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Color

**XYZ(21.2416, 26.7226,
55.6682)**

Conversions

Conversions Part 1

Format	Color
Hex	0099C3
RGB	0, 153, 195
RGB Percent	0%, 60%, 76%
CMY	0.9998, 0.4000, 0.2353
CMYK	1.00, 0.22, 0.00, 0.24
HSL	193°, 100%, 38%
HSV	193°, 100%, 76%
XYZ	21.2416, 26.7226, 55.6682
YIQ	112.0410, -104.6700, -19.3740

Conversions

Conversions Part 2

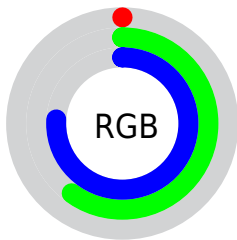
Format	Color
R _{YB}	0, 86, 195
Decimal	39363
CIE _{Lab}	58.72, -18.63, -31.10
CIE _{LCh}	59, 36.254, 239.080
Yxy	26.7226, 0.2050, 0.2579
Android (android.graphics.Color)	4278229443 (0xFF0099C3)
YUV	112.0410, 40.8988, -98.2600
Hunter-Lab	51.6939, -17.1167, -27.6626

Details

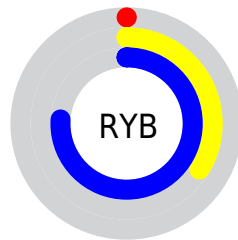
The XYZ color **21.2416, 26.7226, 55.6682** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.3357, 13.2614, 1.3311**, and the grayscale version is **15.3232, 16.1212, 17.5560**.

A 20% lighter version of the original color is **44.9205, 54.2506, 100.1993**, and **9.5591, 11.4258, 26.9009** is the 20% darker color. If you saturate the color by 10%, you get **21.2404, 26.7200, 55.6683**, and if you desaturate by 10%, it is **22.2211, 28.2668, 55.9152**.

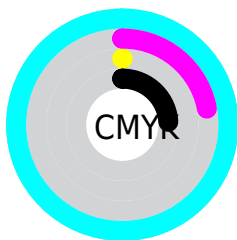
Distribution



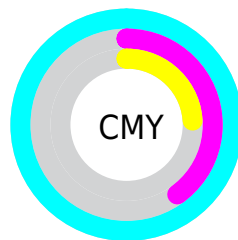
- Red (0%)
- Green (60%)
- Blue (76%)



- Red (0%)
- Yellow (34%)
- Blue (76%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (40%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2416, 26.7226, 55.6682 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 21.2416, 26.7226, 55.6682 by changing the saturation by 10% instead.

■ 21.2416, 26.7226,
55.6682

■ 21.2416, 26.7226,
55.6682

251.2672,
286.3115, 425.7930

■ 13.4142, 17.3650,
39.5348

■ 44.9775, 54.4384,
100.0002

■ 7.7933, 10.4951,
26.8650

■ 61.6168, 73.5654,
129.0359

■ 4.0137, 5.7284,
17.2403

■ 81.9240, 96.7176,
163.2094

■ 1.7099, 2.6807,
10.2422

■ 106.2645,
124.2795, 202.9392

■ 0.4624, 0.9674,
5.4521

■ 135.0037,
156.6355, 248.6440

■ 0.0000, 0.0000,
2.4516

■ 168.5070,

■ 0.0000, 0.0000,

194.1698, 300.7422

0.8143

207.1397,
237.2671, 359.6523

■ 0.0000, 0.0000,
0.0000

■ 21.2416, 26.7226,
55.6682

■ 21.2416, 26.7226,
55.6682

■ 21.2404, 26.7200,
55.6683

■ 22.2211, 28.2668,
55.9152

■ 23.5044, 30.0034,
56.1827

■ 25.1917, 31.9850,
56.4763

■ 27.3344, 34.2383,
56.7983

■ 29.9759, 36.7862,
57.1509

■ 33.1544, 39.6486,
57.5358

■ 36.9044, 42.8436,
57.9549

■ 41.2572, 46.3877,
58.4095

■ 46.2419, 50.2962,
58.9012

Harmonies

Analogous

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



18.6161, 26.7226, 42.7436



21.2416, 26.7226, 55.6682



25.2616, 26.7226, 61.2184

Triad

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



21.2416, 26.7226, 55.6682



34.9770, 26.7226, 29.4925



21.4540, 26.7226, 12.4750

Complementary

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



21.2416, 26.7226, 55.6682



23.3357, 13.2614, 1.3311

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.



25.5370, 26.7226, 10.7974



21.2416, 26.7226, 55.6682



33.6569, 26.7226, 18.7154

Square

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



21.2416, 26.7226, 55.6682



33.4911, 26.7226, 43.6323



30.0663, 26.7226, 12.7006



18.7282, 26.7226, 18.2111

Rectangle

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



21.2416, 26.7226, 55.6682



28.3074, 26.7226, 59.0342



30.0663, 26.7226, 12.7006



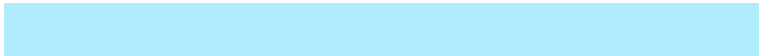
22.6970, 26.7226, 11.5077

Sweetspot

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



21.2425, 26.7235, 55.6689



65.7429, 76.4389, 103.7589



19.8827, 39.1777, 8.4368



13.7412, 16.1869, 22.6501



0.0000, 0.0000, 0.0000



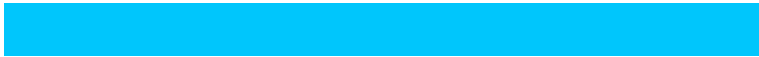
20.3446, 21.4041, 23.3091

Same Dimension

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



21.2425, 26.7235, 55.6689



37.8510, 47.4746, 99.6384



11.3910, 7.0205, 52.3850



10.1785, 11.0482, 12.8809



13.8683, 17.4931, 36.2022



0.6462, 0.8498, 1.5799

Inverse Universe

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



28.2563, 13.9032, 31.3321



50.5086, 24.8598, 55.6016



31.3829, 29.3559, 4.0135



10.4014, 10.2092, 12.2042



18.3961, 9.0482, 20.5295



0.8186, 0.4004, 1.0119

Previews

White Background



This preview shows how the XYZ color 21.2416, 26.7226, 55.6682 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 21.2416, 26.7226, 55.6682 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 21.2416, 26.7226, 55.6682

Background



This preview shows how black text looks on a background with the XYZ color 21.2416, 26.7226, 55.6682.

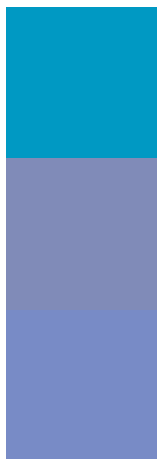


This preview shows how white text looks on a background with the XYZ color 21.2416, 26.7226,

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

21.2416, 26.7226, 55.6682

Protanopia

26.7864, 26.5151, 49.0535

Deuteranopia

27.1714, 26.5355, 57.1159



Tritanopia

18.9564, 26.6041, 41.1818

Trichromacy



Original Color

21.2416, 26.7226, 55.6682



Protanomaly

22.4437, 25.3267, 51.2826



Deuteranomaly

23.0318, 25.5142, 56.5342



Tritanomaly

19.7572, 26.6570, 46.2235

Monochromacy



Original Color

21.2416, 26.7226, 55.6682



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

15.0704, 18.4713, 28.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2416, 26.7226, 55.6682 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, 153, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 195)  
}
```

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, 153, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 195) }
```

Border

The CSS property to change the border of an element to XYZ 21.2416, 26.7226, 55.6682 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, 153, 195) }
```


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

```
.border{ border-color:rgb(0, 153, 195) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2416, 26.7226, 55.6682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 195) }
```

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

```
.background{ background-color: rgb(0, 153,  
195) }
```

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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