

Converting Colors

XYZ(24.0317, 34.6151, 64.1673)

Have a look what the booklet for
XYZ(24.0317, 34.6151, 64.1673)
contains.

XYZ(27.1829, 36.3458, 64.6142)	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(27.1829, 36.3458,
64.6142)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2CF
RGB	0, 178, 207
RGB Percent	0%, 70%, 81%
CMY	0.9998, 0.3020, 0.1882
CMYK	1.00, 0.14, 0.00, 0.19
HSL	188°, 100%, 41%
HSV	188°, 100%, 81%
XYZ	27.1829, 36.3458, 64.6142
YIQ	128.0840, -115.3970, -28.7170

Conversions

Conversions Part 2

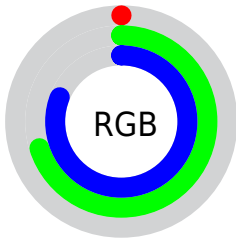
Format	Color
RYB	0, 96, 207
Decimal	45775
CIELab	66.78, -27.40, -25.34
CIELCh	67, 37.320, 222.761
Yxy	36.3458, 0.2121, 0.2836
Android (android.graphics.Color)	4278235855 (0xFF00B2CF)
YUV	128.0840, 38.9056, -112.3297
Hunter-Lab	60.2875, -25.0196, -21.3439

Details

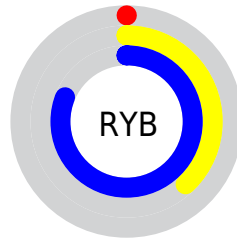
The XYZ color **27.1829, 36.3458, 64.6142** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **26.1732, 14.1468, 1.3525**, and the grayscale version is **20.4505, 21.5155, 23.4304**.

A 20% lighter version of the original color is **53.0663, 68.9492, 105.1194**, and **13.0834, 16.9671, 32.7224** is the 20% darker color. If you saturate the color by 10%, you get **27.1821, 36.3440, 64.6146**, and if you desaturate by 10%, it is **28.0707, 37.6700, 64.8237**.

Distribution



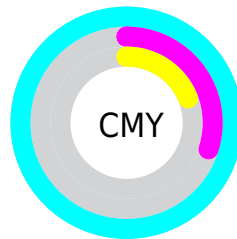
- Red (0%)
- Green (70%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1829, 36.3458, 64.6142 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 27.1829, 36.3458, 64.6142 by changing the saturation by 10% instead.

■ 27.1829, 36.3458,
64.6142

■ 27.1829, 36.3458,
64.6142

280.6930,
330.4695, 459.6725

■ 17.8479, 24.7014,
46.6990

■ 54.5950, 69.5655,
113.1030

■ 10.9399, 15.8547,
32.4451

■ 73.4029, 91.9095,
144.5136

■ 6.0934, 9.4214,
21.4341

■ 96.0992, 118.5889,
181.2597

■ 2.9432, 5.0171,
13.2473

■ 123.0491,
149.9880, 223.7600

■ 1.1238, 2.2573,
7.4664

■ 154.6181,
186.4912, 272.4328

■ 0.0449, 0.7510,
3.6726

191.1715,

■ 0.0000, 0.0000,

228.4829, 327.6968

1.4475

233.0747,
276.3475, 389.9705

■ 0.0000, 0.0000,
0.1784

■ 0.0000, 0.0000,
0.0000

■ 27.1829, 36.3458,
64.6142

■ 27.1829, 36.3458,
64.6142

■ 27.1821, 36.3440,
64.6146

■ 28.0707, 37.6700,
64.8237

■ 29.2948, 39.1851,
65.0517

■ 30.9662, 40.9492,
65.3041

■ 33.1446, 42.9931,
65.5838

■ 35.8802, 45.3427,
65.8931

■ 39.2171, 48.0211,
66.2342

■ 43.1951, 51.0486,
66.6089

■ 47.8502, 54.4441,
67.0189

■ 53.2160, 58.2249,
67.4659

Harmonies

Analogous

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



25.0157, 36.3458, 46.8353



27.1829, 36.3458, 64.6142



31.4319, 36.3458, 77.2436

Triad

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



27.1829, 36.3458, 64.6142



45.9666, 36.3458, 49.5054



32.2062, 36.3458, 16.3627

Complementary

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



27.1829, 36.3458, 64.6142



26.1732, 14.1468, 1.3525

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.



37.8585, 36.3458, 16.7135



27.1829, 36.3458, 64.6142



46.2323, 36.3458, 33.1057

Square

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



27.1829, 36.3458, 64.6142



42.4399, 36.3458, 67.0213



43.1305, 36.3458, 22.0180



27.6965, 36.3458, 20.8782

Rectangle

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



27.1829, 36.3458, 64.6142



35.0704, 36.3458, 79.3848



43.1305, 36.3458, 22.0180



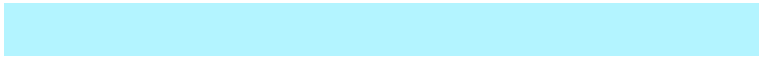
34.0260, 36.3458, 15.9604

Sweetspot

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



27.1841, 36.3471, 64.6151



68.9602, 81.6146, 106.7263



22.5191, 44.7086, 8.5191



14.1541, 17.0127, 22.7877



0.0000, 0.0000, 0.0000



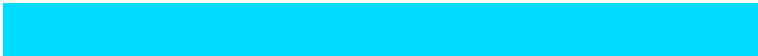
20.3446, 21.4041, 23.3091

Same Dimension

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



27.1841, 36.3471, 64.6151



43.4517, 58.0233, 103.5172



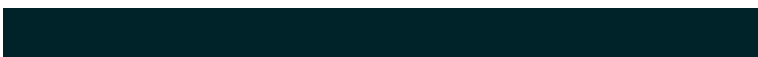
13.8430, 9.6648, 60.1681



12.0113, 13.1128, 15.1416



17.1781, 23.0028, 40.7271



1.0002, 1.3657, 2.2904

Inverse Universe

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



33.7691, 16.4811, 43.5221



54.0616, 26.3886, 69.4475



33.8650, 29.5302, 3.9164



12.2366, 11.9794, 14.5217



21.3015, 10.3934, 27.5573



1.2111, 0.5892, 1.6465

Previews

White Background



This preview shows how the XYZ color 27.1829, 36.3458, 64.6142 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.1829, 36.3458, 64.6142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

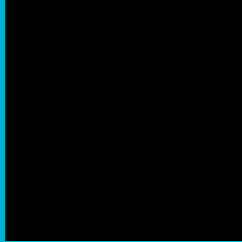
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1829, 36.3458, 64.6142

Background



This preview shows how black text looks on a background with the XYZ color 27.1829, 36.3458, 64.6142.

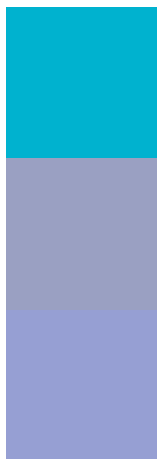


This preview shows how white text looks on a background with the XYZ color 27.1829, 36.3458,

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

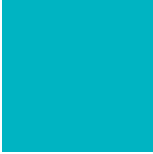
27.1829, 36.3458, 64.6142

Protanopia

35.6348, 35.9067, 56.0915

Deuteranopia

36.7337, 35.9835, 66.6374



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

27.1829, 36.3458, 64.6142



Protanomaly

29.1645, 34.3576, 59.1274



Deuteranomaly

29.9884, 34.3585, 66.0241



Tritanomaly

26.4289, 36.3637, 59.6588

Monochromacy



Original Color

27.1829, 36.3458, 64.6142



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

19.7580, 24.7414, 35.6325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1829, 36.3458, 64.6142 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, 178, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 207)  
}
```

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, 178, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 207) }
```

Border

The CSS property to change the border of an element to XYZ 27.1829, 36.3458, 64.6142 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, 178, 207) }
```


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

```
.border{ border-color:rgb(0, 178, 207) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1829, 36.3458, 64.6142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 207) }
```

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

```
.background{ background-color: rgb(0, 178,  
207) }
```

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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