

Converting Colors

XYZ(28.5325, 37.9338, 65.2254)

Have a look what the booklet for
XYZ(28.5325, 37.9338, 65.2254)
contains.

XYZ(28.5687, 37.9419, 65.4923)	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(28.5687, 37.9419,
65.4923)**

Conversions

Conversions Part 1

Format	Color
Hex	22B5D0
RGB	34, 181, 208
RGB Percent	13%, 71%, 82%
CMY	0.8666, 0.2902, 0.1843
CMYK	0.84, 0.13, 0.00, 0.18
HSL	189°, 72%, 47%
HSV	189°, 84%, 82%
XYZ	28.5687, 37.9419, 65.4923
YIQ	140.1250, -96.2790, -22.7670

Conversions

Conversions Part 2

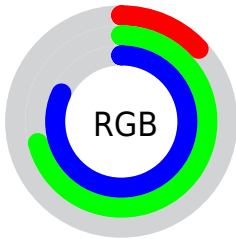
Format	Color
RYB	34, 114, 208
Decimal	2274768
CIELab	67.98, -27.04, -24.04
CIELCh	68, 36.182, 221.632
Yxy	37.9419, 0.2164, 0.2874
Android (android.graphics.Color)	4280464848 (0xFF22B5D0)
YUV	140.1250, 33.4624, -93.0716
Hunter-Lab	61.5970, -25.0064, -19.9215

Details

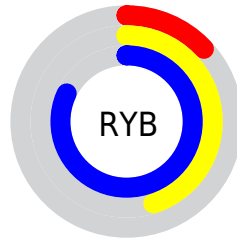
The XYZ color **28.5687, 37.9419, 65.4923** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **27.9713, 16.8648, 3.2956**, and the grayscale version is **24.8791, 26.1747, 28.5042**.

A 20% lighter version of the original color is **55.0163, 71.2331, 105.4574**, and **13.5519, 17.7714, 33.2878** is the 20% darker color. If you saturate the color by 10%, you get **27.4301, 36.3926, 65.2540**, and if you desaturate by 10%, it is **30.1392, 39.7379, 65.7569**.

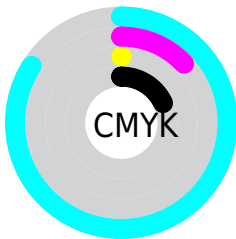
Distribution



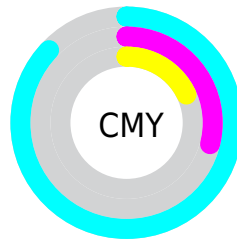
- Red (13%)
- Green (71%)
- Blue (82%)



- Red (13%)
- Yellow (45%)
- Blue (82%)



- Cyan (84%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (87%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5687, 37.9419, 65.4923 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 28.5687, 37.9419, 65.4923 by changing the saturation by 10% instead.

■ 28.5687, 37.9419,
65.4923

■ 28.5687, 37.9419,
65.4923

287.2055,
337.3707, 462.9135

■ 18.8974, 25.9376,
47.4065

■ 56.7934, 72.0191,
114.3774

■ 11.6998, 16.7770,
33.0005

■ 76.0776, 94.8607,
146.0137

■ 6.6103, 10.0756,
21.8557

■ 99.2968, 122.0837,
183.0040

■ 3.2638, 5.4491,
13.5536

■ 126.8164,
154.0722, 225.7668

■ 1.2947, 2.5131,
7.6757

■ 159.0017,
191.2108, 274.7206

■ 0.1793, 0.8832,
3.8033

196.2181,

■ 0.0000, 0.0000,

233.8838, 330.2840

1.5181

238.8309,
282.4756, 392.8754

■ 0.0000, 0.0000,
0.2313

■ 0.0000, 0.0000,
0.0000

■ 28.5687, 37.9419,
65.4923

■ 28.5687, 37.9419,
65.4923

■ 27.4301, 36.3926,
65.2540

■ 30.1392, 39.7379,
65.7569

■ 26.8565, 35.4966,
65.1113

■ 32.2031, 41.8103,
66.0481

■ 34.8155, 44.1883,
66.3695

■ 38.0232, 46.8962,
66.7231

■ 41.8678, 49.9555,
67.1110

■ 46.3871, 53.3861,
67.5349

■ 51.6159, 57.2058,
67.9966

■ 57.5868, 61.4317,
68.4976

■ 64.3300, 66.0794,
69.0393

Harmonies

Analogous

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



26.4738, 37.9419, 47.8766



28.5687, 37.9419, 65.4923



32.7611, 37.9419, 78.2271

Triad

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



28.5687, 37.9419, 65.4923



47.3302, 37.9419, 51.8605



33.9259, 37.9419, 17.7965

Complementary

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



28.5687, 37.9419, 65.4923



27.9713, 16.8648, 3.2956

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.



39.5788, 37.9419, 18.3391



28.5687, 37.9419, 65.4923



47.7255, 37.9419, 35.3772

Square

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



28.5687, 37.9419, 65.4923



43.7345, 37.9419, 69.0535



44.7643, 37.9419, 23.9638



29.3449, 37.9419, 22.2182

Rectangle

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



28.5687, 37.9419, 65.4923



36.3715, 37.9419, 80.6475



44.7643, 37.9419, 23.9638



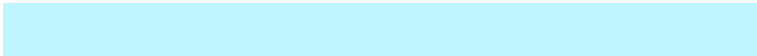
35.7555, 37.9419, 17.4432

Sweetspot

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



28.5699, 37.9433, 65.4932



72.2837, 83.6986, 106.9534



24.0350, 45.7801, 11.8605



14.9135, 17.4939, 22.8406



0.0000, 0.0000, 0.0000



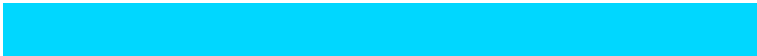
20.3446, 21.4041, 23.3091

Same Dimension

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



28.5699, 37.9433, 65.4932



42.4599, 56.0399, 103.1866



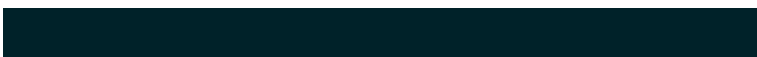
16.1298, 13.0630, 61.3465



11.9956, 13.0815, 15.1364



16.7962, 22.2390, 40.5998



0.9823, 1.3297, 2.2845

Inverse Universe

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



34.9260, 17.8914, 45.3300



53.5610, 26.1884, 66.8116



36.7520, 34.4263, 6.2225



12.2287, 11.9762, 14.4800



21.1087, 10.3163, 26.5422



1.2020, 0.5855, 1.5987

Previews

White Background



This preview shows how the XYZ color 28.5687, 37.9419, 65.4923 looks on a white background.

Color Contrast Check

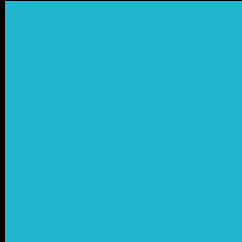
Large Text (above 18pt) WCAG AA × Fail

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 28.5687, 37.9419, 65.4923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

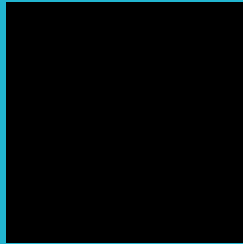
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5687, 37.9419, 65.4923

Background



This preview shows how black text looks on a background with the XYZ color 28.5687, 37.9419, 65.4923.

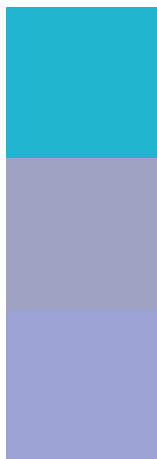


This preview shows how white text looks on a background with the XYZ color 28.5687, 37.9419,

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

28.5687, 37.9419, 65.4923

Protanopia

37.0481, 37.4036, 56.8967

Deuteranopia

38.3216, 37.5627, 67.5179



Tritanopia

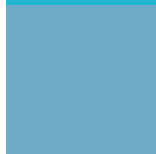
27.3235, 38.0457, 59.3295

Trichromacy



Original Color

28.5687, 37.9419, 65.4923



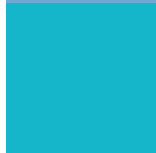
Protanomaly

31.6101, 36.4303, 60.0093



Deuteranomaly

32.5014, 36.4586, 66.9522



Tritanomaly

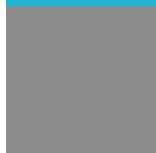
27.7195, 37.8907, 61.7298

Monochromacy



Original Color

28.5687, 37.9419, 65.4923



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.8797, 28.9260, 39.9220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5687, 37.9419, 65.4923 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(34, 181, 208)` looks like.

```
.text, #text, p{  
    color:rgb(34, 181, 208)  
}
```

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(34, 181, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 181, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.5687, 37.9419, 65.4923 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(34, 181, 208) }
```


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

```
.border{ border-color:rgb(34, 181, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 181, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 181, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 181, 208);  
box-shadow:4px 4px 4px 4px rgb(34, 181,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5687, 37.9419, 65.4923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 181, 208) }
```

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

```
.background{ background-color: rgb(34, 181,  
208) }
```

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