

Converting Colors

XYZ(29.1172, 36.9757, 63.7103)

Have a look what the booklet for
XYZ(29.1172, 36.9757, 63.7103)
contains.

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Color

**XYZ(29.2466, 37.1295,
64.0178)**

Conversions

Conversions Part 1

Format	Color
Hex	44B1CE
RGB	68, 177, 206
RGB Percent	27%, 69%, 81%
CMY	0.7333, 0.3059, 0.1922
CMYK	0.67, 0.14, 0.00, 0.19
HSL	193°, 58%, 54%
HSV	193°, 67%, 81%
XYZ	29.2466, 37.1295, 64.0178
YIQ	147.7150, -74.2730, -14.0890

Conversions

Conversions Part 2

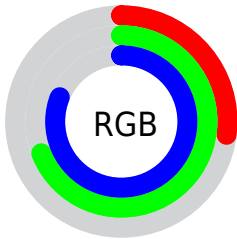
Format	Color
R_{YB}	68, 129, 206
Decimal	4501966
CIE _{Lab}	67.37, -21.81, -23.80
CIE _{LCh}	67, 32.284, 227.496
Yxy	37.1295, 0.2243, 0.2847
Android (android.graphics.Color)	4282692046 (0xFF44B1CE)
YUV	147.7150, 28.7345, -69.9101
Hunter-Lab	60.9340, -20.9595, -19.6368

Details

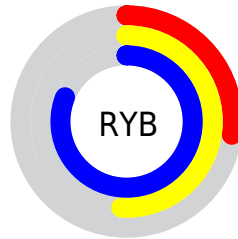
The XYZ color **29.2466, 37.1295, 64.0178** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **30.7728, 22.0899, 8.1119**, and the grayscale version is **27.9374, 29.3923, 32.0082**.

A 20% lighter version of the original color is **56.5490, 70.3231, 105.2010**, and **12.8751, 16.6823, 32.2472** is the 20% darker color. If you saturate the color by 10%, you get **27.2130, 34.8325, 63.6823**, and if you desaturate by 10%, it is **31.8144, 39.7436, 64.3877**.

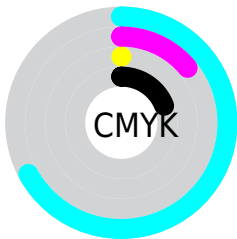
Distribution



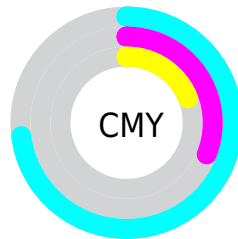
- Red (27%)
- Green (69%)
- Blue (81%)



- Red (27%)
- Yellow (51%)
- Blue (81%)



- Cyan (67%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (73%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2466, 37.1295, 64.0178 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 29.2466, 37.1295, 64.0178 by changing the saturation by 10% instead.

■ 29.2466, 37.1295,
64.0178

■ 29.2466, 37.1295,
64.0178

290.3500,
333.8708, 457.4631

■ 19.4127, 25.3078,
46.2188

■ 57.8635, 70.7719,
112.2363

■ 12.0746, 16.3065,
32.0686

■ 77.3772, 93.3614,
143.4929

■ 6.8671, 9.7413,
21.1487

■ 100.8482,
120.3089, 180.0724

■ 3.4247, 5.2278,
13.0404

■ 128.6418,
151.9988, 222.3934

■ 1.3821, 2.3815,
7.3253

■ 161.1234,
188.8156, 270.8744

■ 0.2434, 0.8164,
3.5849

198.6585,

■ 0.0000, 0.0000,

231.1436, 325.9341

1.4005

241.6122,
279.3672, 387.9908

■ 0.0000, 0.0000,
0.1421

■ 0.0000, 0.0000,
0.0000

■ 29.2466, 37.1295,
64.0178

■ 29.2466, 37.1295,
64.0178

■ 27.2130, 34.8325,
63.6823

■ 31.8144, 39.7436,
64.3877

■ 25.6540, 32.8194,
63.3759

■ 34.9605, 42.6957,
64.7917

■ 24.4967, 31.0529,
63.0960

■ 38.7284, 46.0093,
65.2327

■ 24.1867, 30.5483,
63.0149

■ 43.1564, 49.7046,
65.7126

■ 48.2795, 53.8000,
66.2331

■ 54.1302, 58.3125,
66.7957

■ 60.7391, 63.2581,
67.4020

■ 68.1346, 68.6521,
68.0534

■ 76.3441, 74.5087,
68.7511

Harmonies

Analogous

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



26.9744, 37.1295, 49.1824



29.2466, 37.1295, 64.0178



33.2711, 37.1295, 73.2777

Triad

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



29.2466, 37.1295, 64.0178



45.4142, 37.1295, 46.6164



32.5075, 37.1295, 19.6162

Complementary

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



29.2466, 37.1295, 64.0178



30.7728, 22.0899, 8.1119

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.



37.3899, 37.1295, 19.2395



29.2466, 37.1295, 64.0178



45.1609, 37.1295, 32.7789

Square

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



29.2466, 37.1295, 64.0178



42.7770, 37.1295, 61.7652



42.1144, 37.1295, 23.4877



28.7327, 37.1295, 24.6754

Rectangle

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



29.2466, 37.1295, 64.0178



36.5459, 37.1295, 73.8937



42.1144, 37.1295, 23.4877



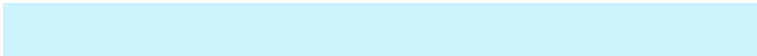
34.0641, 37.1295, 18.9887

Sweetspot

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



29.2478, 37.1309, 64.0187



75.3877, 84.9290, 107.0273



26.5492, 46.2097, 18.4916



15.6284, 17.7729, 22.8568



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.



29.2478, 37.1309, 64.0187



42.9914, 55.0762, 102.9726



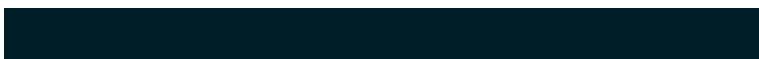
19.0371, 16.7095, 60.6151



11.3354, 12.3112, 14.3492



14.9654, 18.9548, 38.8262



0.8236, 1.0809, 2.0202

Inverse Universe

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



35.4576, 20.4315, 43.6713



54.3240, 28.3877, 64.9901



39.8812, 40.3067, 11.1480



11.5826, 11.3618, 13.6028



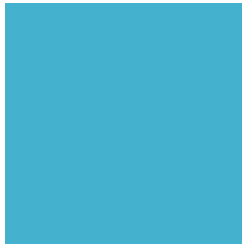
19.7648, 9.7165, 22.2776



1.0456, 0.5117, 1.2862

Previews

White Background



This preview shows how the XYZ color 29.2466, 37.1295, 64.0178 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 29.2466, 37.1295, 64.0178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

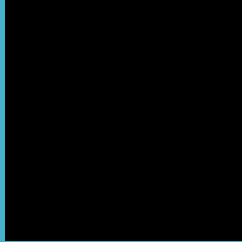
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2466, 37.1295, 64.0178

Background



This preview shows how black text looks on a background with the XYZ color 29.2466, 37.1295, 64.0178.

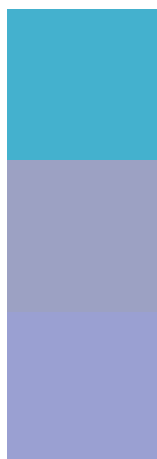


This preview shows how white text looks on a background with the XYZ color 29.2466, 37.1295,

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

29.2466, 37.1295, 64.0178

Protanopia

36.3055, 36.4978, 56.7610

Deuteranopia

37.5301, 36.6648, 66.0717



Tritanopia

27.7822, 37.1273, 56.7410

Trichromacy



Original Color

29.2466, 37.1295, 64.0178

Protanomaly

32.4397, 36.0460, 59.2807

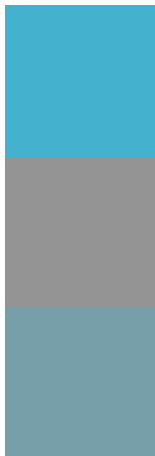
Deuteranomaly

33.3132, 36.0868, 65.5313

Tritanomaly

28.2278, 37.0080, 59.0816

Monochromacy



Original Color

29.2466, 37.1295, 64.0178

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.1673, 31.5828, 42.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2466, 37.1295, 64.0178 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(68, 177, 206)` looks like.

```
.text, #text, p{  
    color:rgb(68, 177, 206)  
}
```

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(68, 177, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 177, 206) }
```

Border

The CSS property to change the border of an element to XYZ 29.2466, 37.1295, 64.0178 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(68, 177, 206) }
```


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

```
.border{ border-color:rgb(68, 177, 206) }
```

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

Here you see how a box with a 4 pixel rgb(68, 177, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 177, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 177, 206);  
box-shadow:4px 4px 4px 4px rgb(68, 177,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2466, 37.1295, 64.0178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 177, 206) }
```

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

```
.background{ background-color: rgb(68, 177,  
206) }
```

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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