

Converting Colors

XYZ(29.8179, 36.4191, 69.7488)

Have a look what the booklet for
XYZ(29.8179, 36.4191, 69.7488)
contains.

XYZ(29.8560, 36.4436, 69.7507)	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(29.8560, 36.4436,
69.7507)**

Conversions

Conversions Part 1

Format	Color
Hex	45AED7
RGB	69, 174, 215
RGB Percent	27%, 68%, 84%
CMY	0.7294, 0.3176, 0.1569
CMYK	0.68, 0.19, 0.00, 0.16
HSL	197°, 65%, 56%
HSV	197°, 68%, 84%
XYZ	29.8560, 36.4436, 69.7507
YIQ	147.2790, -75.7410, -9.5090

Conversions

Conversions Part 2

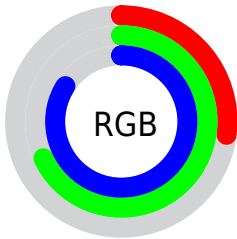
Format	Color
R _{YB}	69, 130, 215
Decimal	4566743
CIE _{Lab}	66.86, -17.26, -29.55
CIE _{LCh}	67, 34.221, 239.716
Yxy	36.4436, 0.2194, 0.2679
Android (android.graphics.Color)	4282756823 (0xFF45AED7)
YUV	147.2790, 33.3865, -68.6507
Hunter-Lab	60.3685, -17.3656, -26.2466

Details

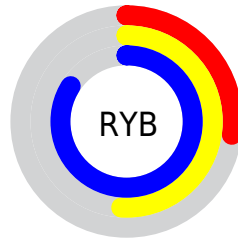
The XYZ color **29.8560, 36.4436, 69.7507** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **34.6757, 26.0304, 8.8283**, and the grayscale version is **27.7386, 29.1832, 31.7805**.

A 20% lighter version of the original color is **56.0197, 68.8002, 104.9350**, and **13.3047, 16.4571, 35.7330** is the 20% darker color. If you saturate the color by 10%, you get **27.4578, 33.5150, 69.3125**, and if you desaturate by 10%, it is **32.8613, 39.7644, 70.2340**.

Distribution



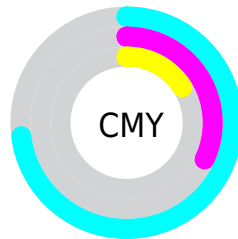
- Red (27%)
- Green (68%)
- Blue (84%)



- Red (27%)
- Yellow (51%)
- Blue (84%)



- Cyan (68%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (73%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8560, 36.4436, 69.7507 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 29.8560, 36.4436, 69.7507 by changing the saturation by 10% instead.

■ 29.8560, 36.4436,
69.7507

■ 29.8560, 36.4436,
69.7507

293.1545,
330.8953, 478.4396

■ 19.8768, 24.7770,
50.8478

■ 58.8226, 69.7162,
120.5309

■ 12.4133, 15.9110,
35.7116

■ 78.5407, 92.0910,
153.2453

■ 7.1000, 9.4612,
23.9236

■ 102.2358,
118.8040, 191.4006

■ 3.5716, 5.0432,
15.0653

■ 130.2734,
150.2395, 235.4154

■ 1.4628, 2.2726,
8.7181

163.0187,
186.7820, 285.7081

■ 0.3003, 0.7592,
4.4635

200.8371,

■ 0.0000, 0.0000,

228.8159, 342.6974

1.8829

244.0939,
276.7255, 406.8017

■ 0.0000, 0.0000,
0.4818

■ 0.0000, 0.0000,
0.0000

■ 29.8560, 36.4436,
69.7507

■ 29.8560, 36.4436,
69.7507

■ 27.4578, 33.5150,
69.3125

■ 32.8613, 39.7644,
70.2340

■ 25.5995, 30.9410,
68.9136

■ 36.5244, 43.5023,
70.7624

■ 24.1922, 28.6752,
68.5505

■ 40.8943, 47.6845,
71.3393

■ 23.9246, 28.2238,
68.4774

■ 46.0143, 52.3342,
71.9670

■ 51.9240, 57.4727,
72.6473

■ 58.6601, 63.1198,
73.3823

■ 66.2570, 69.2941,
74.1737

■ 74.7469, 76.0133,
75.0231

■ 81.3436, 81.8418,
75.8005

Harmonies

Analogous

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



26.6906, 36.4436, 55.5612



29.8560, 36.4436, 69.7507



34.5892, 36.4436, 75.5731

Triad

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



29.8560, 36.4436, 69.7507



45.5800, 36.4436, 39.8226



29.9336, 36.4436, 19.7098

Complementary

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



29.8560, 36.4436, 69.7507



34.6757, 26.0304, 8.8283

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.



34.6880, 36.4436, 17.4503



29.8560, 36.4436, 69.7507



44.0258, 36.4436, 27.1575

Square

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



29.8560, 36.4436, 69.7507



43.9679, 36.4436, 55.8686



39.9064, 36.4436, 19.7987



26.7321, 36.4436, 26.9676

Rectangle

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



29.8560, 36.4436, 69.7507



38.1073, 36.4436, 73.0341



39.9064, 36.4436, 19.7987



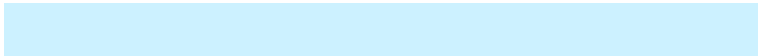
31.3869, 36.4436, 18.4348

Sweetspot

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



29.8572, 36.4449, 69.7516



74.3119, 82.7774, 106.6687



29.4591, 50.9483, 22.4519



15.3683, 17.2527, 22.7701



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.



29.8572, 36.4449, 69.7516



39.2554, 47.7898, 101.7631



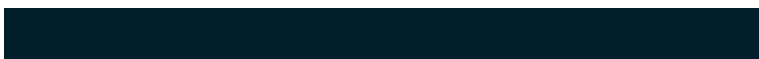
19.5782, 15.8869, 66.3253



12.4837, 13.4909, 15.8836



14.4033, 17.0684, 40.9886



0.9371, 1.1662, 2.4950

Inverse Universe

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



37.7935, 21.7606, 42.2539



52.3930, 27.4419, 55.3559



45.6099, 47.8987, 12.4731



12.7974, 12.5704, 14.8732



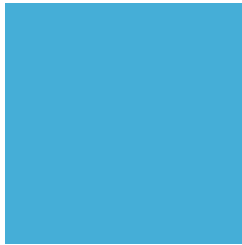
20.3290, 10.0679, 19.5684



1.2607, 0.6210, 1.3620

Previews

White Background



This preview shows how the XYZ color 29.8560, 36.4436, 69.7507 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 29.8560, 36.4436, 69.7507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

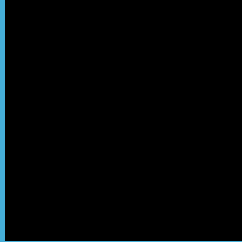
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8560, 36.4436, 69.7507

Background



This preview shows how black text looks on a background with the XYZ color 29.8560, 36.4436, 69.7507.

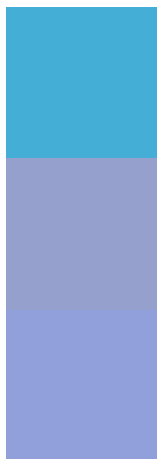


This preview shows how white text looks on a background with the XYZ color 29.8560, 36.4436,

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

29.8560, 36.4436, 69.7507

Protanopia

36.1679, 36.0334, 62.8065

Deuteranopia

36.7301, 35.8780, 71.3189



Tritanopia

27.0104, 36.4588, 55.4828

Trichromacy



Original Color

29.8560, 36.4436, 69.7507

Protanomaly

32.8489, 35.5787, 65.4576

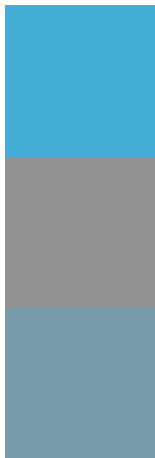
Deuteranomaly

33.1360, 35.3426, 70.7210

Tritanomaly

28.0109, 36.5751, 60.2269

Monochromacy



Original Color

29.8560, 36.4436, 69.7507

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.1111, 31.0144, 43.5872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8560, 36.4436, 69.7507 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(69, 174, 215)` looks like.

```
.text, #text, p{  
    color:rgb(69, 174, 215)  
}
```

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(69, 174, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 174, 215) }
```

Border

The CSS property to change the border of an element to XYZ 29.8560, 36.4436, 69.7507 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(69, 174, 215) }
```


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

```
.border{ border-color:rgb(69, 174, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 174, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 174, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 174, 215);  
box-shadow:4px 4px 4px 4px rgb(69, 174,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8560, 36.4436, 69.7507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 174, 215) }
```

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

```
.background{ background-color: rgb(69, 174,  
215) }
```

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