

Converting Colors

XYZ(32.2604, 37.1483, 66.9563)

Have a look what the booklet for
XYZ(32.2604, 37.1483, 66.9563)
contains.

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Color

**XYZ(32.3361, 37.2115,
67.1063)**

Conversions

Conversions Part 1

Format	Color
Hex	69ACD3
RGB	105, 172, 211
RGB Percent	41%, 67%, 83%
CMY	0.5882, 0.3255, 0.1725
CMYK	0.50, 0.18, 0.00, 0.17
HSL	202°, 55%, 62%
HSV	202°, 50%, 83%
XYZ	32.3361, 37.2115, 67.1063
YIQ	156.4130, -52.4510, -2.0750

Conversions

Conversions Part 2

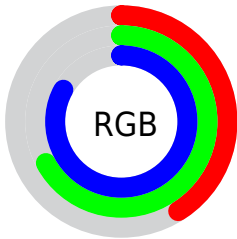
Format	Color
RYB	105, 146, 211
Decimal	6925523
CIELab	67.44, -10.59, -26.35
CIELCh	67, 28.395, 248.110
Yxy	37.2115, 0.2366, 0.2723
Android (android.graphics.Color)	4285115603 (0xFF69ACD3)
YUV	156.4130, 26.9114, -45.0892
Hunter-Lab	61.0012, -12.1312, -22.5229

Details

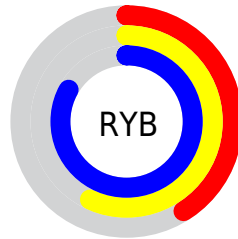
The XYZ color **32.3361, 37.2115, 67.1063** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.3880, 34.8164, 18.0101**, and the grayscale version is **31.6858, 33.3359, 36.3028**.

A 20% lighter version of the original color is **60.4194, 69.8396, 104.9037**, and **13.7994, 16.3911, 33.8890** is the 20% darker color. If you saturate the color by 10%, you get **28.7240, 33.2204, 66.5270**, and if you desaturate by 10%, it is **36.6517, 41.6949, 67.7449**.

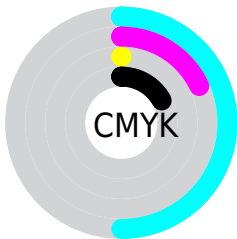
Distribution



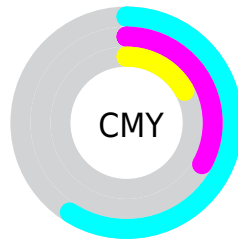
- Red (41%)
- Green (67%)
- Blue (83%)



- Red (41%)
- Yellow (57%)
- Blue (83%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (59%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3361, 37.2115, 67.1063 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 32.3361, 37.2115, 67.1063 by changing the saturation by 10% instead.

■ 32.3361, 37.2115,
67.1063

■ 32.3361, 37.2115,
67.1063

304.3656,
334.2253, 468.8348

■ 21.7751, 25.3713,
48.7089

■ 62.6993, 70.8980,
116.7148

■ 13.8074, 16.3539,
34.0246

■ 83.2322, 93.5130,
148.7630

■ 8.0677, 9.7749,
22.6350

■ 107.8198,
120.4884, 186.1985

■ 4.1904, 5.2500,
14.1215

■ 136.8274,
152.2086, 229.4398

■ 1.8104, 2.3947,
8.0655

170.6205,
189.0580, 278.9056

■ 0.5239, 0.8231,
4.0485

209.5643,

■ 0.0000, 0.0000,

231.4210, 335.0144

1.6520

254.0242,
279.6820, 398.1846

■ 0.0000, 0.0000,
0.3275

■ 0.0000, 0.0000,
0.0000

■ 32.3361, 37.2115,
67.1063

■ 32.3361, 37.2115,
67.1063

■ 28.7240, 33.2204,
66.5270

■ 36.6517, 41.6949,
67.7449

■ 25.7640, 29.6907,
66.0017

■ 41.7102, 46.6908,
68.4426

■ 23.4030, 26.5936,
65.5283

■ 47.5521, 52.2229,
69.2025

■ 21.5765, 23.8934,
65.1034

■ 54.2140, 58.3120,
70.0267

■ 20.1962, 21.5796,
64.7296

■ 61.7297, 64.9776,
70.9172

■ 70.1313, 72.2381,
71.8758

■ 79.4491, 80.1111,
72.9043

■ 82.4516, 84.8704,
73.6647

■ 84.7118, 89.3909,
74.4181

Harmonies

Analogous

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



29.1778, 37.2115, 57.2018



32.3361, 37.2115, 67.1063



36.5635, 37.2115, 69.2136

Triad

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



32.3361, 37.2115, 67.1063



44.3273, 37.2115, 37.2256



30.4459, 37.2115, 24.4191

Complementary

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



32.3361, 37.2115, 67.1063



39.3880, 34.8164, 18.0101

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.



34.1997, 37.2115, 21.1036



32.3361, 37.2115, 67.1063



42.3781, 37.2115, 27.4400

Square

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



32.3361, 37.2115, 67.1063



43.7254, 37.2115, 50.1365



38.5846, 37.2115, 22.0828



28.1505, 37.2115, 32.2141

Rectangle

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



32.3361, 37.2115, 67.1063



39.4643, 37.2115, 65.5779



38.5846, 37.2115, 22.0828



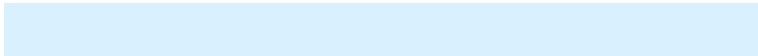
31.5662, 37.2115, 22.8251

Sweetspot

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



32.3373, 37.2129, 67.1072



78.0247, 84.8008, 106.8636



34.1449, 51.6023, 34.4941



16.2399, 17.7285, 22.8160



0.0000, 0.0000, 0.0000



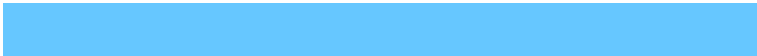
20.3446, 21.4041, 23.3091

Same Dimension

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



32.3373, 37.2129, 67.1072



43.8858, 50.7575, 102.0919



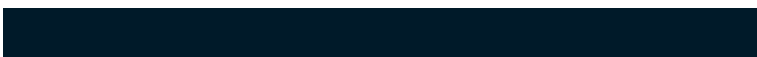
24.1975, 20.9331, 64.3939



11.7775, 12.6453, 15.0637



12.2891, 13.2247, 39.0974



0.7615, 0.8882, 2.2109

Inverse Universe

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



39.3630, 26.9318, 42.1549



56.2663, 34.8727, 57.6209



49.3507, 54.7418, 21.3310



12.1186, 11.9322, 13.9003



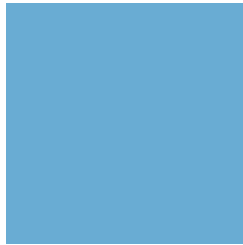
18.8337, 9.4063, 14.5622



1.0906, 0.5410, 1.0119

Previews

White Background



This preview shows how the XYZ color 32.3361, 37.2115, 67.1063 looks on a white background.

Color Contrast Check

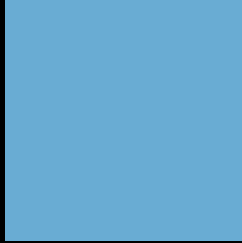
Large Text (above 18pt) WCAG AA × Fail

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 32.3361, 37.2115, 67.1063 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 32.3361, 37.2115, 67.1063

Background



This preview shows how black text looks on a background with the XYZ color 32.3361, 37.2115, 67.1063.

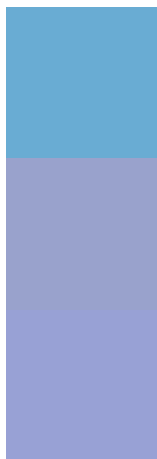


This preview shows how white text looks on a background with the XYZ color 32.3361, 37.2115,

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

32.3361, 37.2115, 67.1063

Protanopia

36.9563, 36.9726, 62.3154

Deuteranopia

37.7040, 36.9692, 68.0994



Tritanopia

29.8566, 37.3650, 54.3538

Trichromacy



Original Color

32.3361, 37.2115, 67.1063

Protanomaly

35.0520, 37.0117, 64.3280

Deuteranomaly

35.3305, 36.8146, 67.5312

Tritanomaly

30.8898, 37.5039, 59.0370

Monochromacy



Original Color

32.3361, 37.2115, 67.1063

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0733, 34.2936, 46.0559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3361, 37.2115, 67.1063 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(105, 172, 211)` looks like.

```
.text, #text, p{  
    color:rgb(105, 172, 211)  
}
```

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(105, 172, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 172, 211) }
```

Border

The CSS property to change the border of an element to XYZ 32.3361, 37.2115, 67.1063 is called "border". The border property can be set on classes, ids or directly on the HTML element.

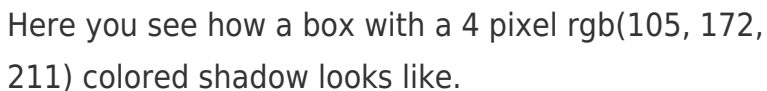
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 172, 211) }
```


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

```
.border{ border-color:rgb(105, 172, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 172, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 172, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 172, 211);  
box-shadow:4px 4px 4px 4px rgb(105, 172,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3361, 37.2115, 67.1063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 172, 211) }
```

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

```
.background{ background-color: rgb(105,  
172, 211) }
```

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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