

Converting Colors

XYZ(36.9134, 40.6222, 65.9554)

Have a look what the booklet for
XYZ(36.9134, 40.6222, 65.9554)
contains.

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Color

**XYZ(37.0256, 40.8050,
66.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	87B0D1
RGB	135, 176, 209
RGB Percent	53%, 69%, 82%
CMY	0.4706, 0.3098, 0.1804
CMYK	0.35, 0.16, 0.00, 0.18
HSL	207°, 45%, 67%
HSV	207°, 35%, 82%
XYZ	37.0256, 40.8050, 66.2463
YIQ	167.5030, -35.0290, 1.5710

Conversions

Conversions Part 2

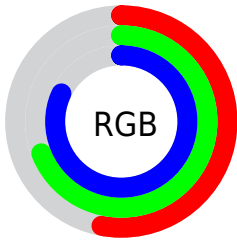
Format	Color
RYB	135, 161, 209
Decimal	8892625
CIELab	70.04, -5.69, -21.13
CIELCh	70, 21.882, 254.924
Yxy	40.8050, 0.2570, 0.2832
Android (android.graphics.Color)	4287082705 (0xFF87B0D1)
YUV	167.5030, 20.4580, -28.5051
Hunter-Lab	63.8788, -8.3252, -16.7723

Details

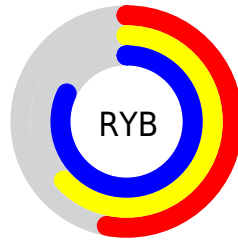
The XYZ color **37.0256, 40.8050, 66.2463** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.6710, 43.3104, 28.9281**, and the grayscale version is **36.8925, 38.8137, 42.2682**.

A 20% lighter version of the original color is **68.1418, 75.8804, 105.6627**, and **16.5201, 18.5422, 33.2802** is the 20% darker color. If you saturate the color by 10%, you get **32.2224, 35.7093, 65.5166**, and if you desaturate by 10%, it is **42.6170, 46.4951, 67.0506**.

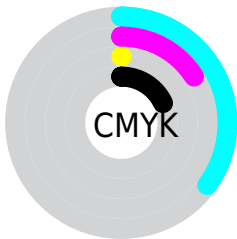
Distribution



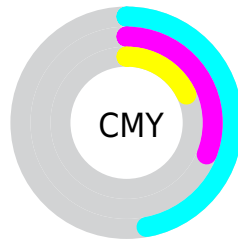
- Red (53%)
- Green (69%)
- Blue (82%)



- Red (53%)
- Yellow (63%)
- Blue (82%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (47%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0256, 40.8050, 66.2463 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 37.0256, 40.8050, 66.2463 by changing the saturation by 10% instead.

■ 37.0256, 40.8050,
66.2463

■ 37.0256, 40.8050,
66.2463

324.7749,
349.5050, 465.6855

■ 25.4011, 28.1667,
48.0146

■ 69.9257, 76.3878,
115.4701

■ 16.5064, 18.4514,
33.4784

■ 91.9321, 100.1011,
147.2994

■ 9.9763, 11.2745,
22.2191

■ 118.1297,
128.2749, 184.4982

■ 5.4454, 6.2518,
13.8181

148.8840,
161.2936, 227.4852

■ 2.5483, 2.9988,
7.8570

184.5603,
199.5416, 276.6789

■ 0.9197, 1.1311,
3.9171

225.5240,

■ 0.0000, 0.0043,

243.4032, 332.4978

1.5800

272.1404,
293.2628, 395.3605

■ 0.0000, 0.0000,
0.2765

■ 0.0000, 0.0000,
0.0000

■ 37.0256, 40.8050,
66.2463

■ 37.0256, 40.8050,
66.2463

■ 32.2224, 35.7093,
65.5166

■ 42.6170, 46.4951,
67.0506

■ 28.1621, 31.1783,
64.8560

■ 49.0307, 52.7980,
67.9292

■ 24.8006, 27.1863,
64.2627

■ 56.3035, 59.7372,
68.8852

■ 22.0870, 23.7030,
63.7334

■ 64.4685, 67.3332,
69.9211

■ 19.9625, 20.6942,
63.2646

■ 73.5574, 75.6055,
71.0387

■ 18.3555, 18.1185,
62.8521

■ 81.5837, 83.5334,
72.1460

■ 17.7313, 17.0486,
62.6785

■ 84.2760, 88.9181,
73.0434

■ 87.1096, 94.5851,
73.9879

■ 88.5088, 97.3835,
74.4543

Harmonies

Analogous

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



34.1234, 40.8050, 59.8101



37.0256, 40.8050, 66.2463



40.5789, 40.8050, 66.2639

Triad

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



37.0256, 40.8050, 66.2463



45.8028, 40.8050, 39.5562



34.1352, 40.8050, 31.9122

Complementary

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



37.0256, 40.8050, 66.2463



44.6710, 43.3104, 28.9281

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.



37.0426, 40.8050, 28.0110



37.0256, 40.8050, 66.2463



43.8506, 40.8050, 31.9417

Square

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



37.0256, 40.8050, 66.2463



45.7975, 40.8050, 49.7422



40.5971, 40.8050, 28.0210



32.5256, 40.8050, 39.5096

Rectangle

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



37.0256, 40.8050, 66.2463



42.8484, 40.8050, 62.5782



40.5971, 40.8050, 28.0210



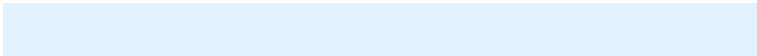
34.9850, 40.8050, 30.1805

Sweetspot

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



37.0269, 40.8066, 66.2473



81.6115, 87.3401, 107.1647



39.7743, 53.5452, 44.8315



17.1391, 18.3791, 22.8941



0.0000, 0.0000, 0.0000



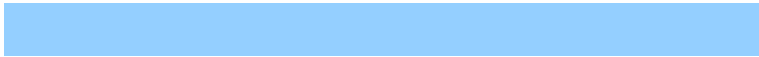
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0269, 40.8066, 66.2473



52.6159, 58.2491, 103.0778



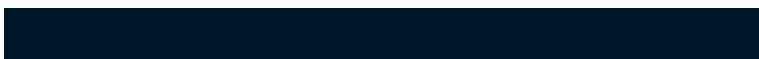
30.8697, 28.4922, 64.1949



11.6990, 12.4882, 15.0375



11.0322, 10.7110, 38.6785



0.6954, 0.7560, 2.1888

Inverse Universe

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



42.7960, 34.0190, 45.3867



63.1062, 46.9252, 64.9175



52.2772, 58.5228, 31.4635



12.0790, 11.9163, 13.6916



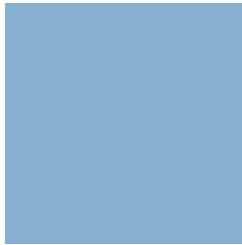
18.1993, 9.1526, 11.2215



1.0572, 0.5276, 0.8362

Previews

White Background



This preview shows how the XYZ color 37.0256, 40.8050, 66.2463 looks on a white background.

Color Contrast Check

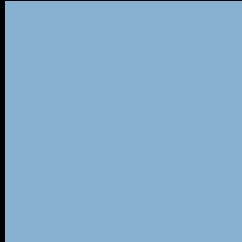
Large Text (above 18pt) WCAG AA × Fail

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 37.0256, 40.8050, 66.2463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

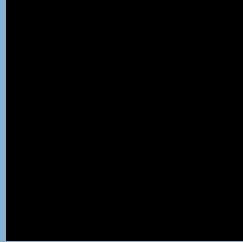
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0256, 40.8050, 66.2463

Background



This preview shows how black text looks on a background with the XYZ color 37.0256, 40.8050, 66.2463.

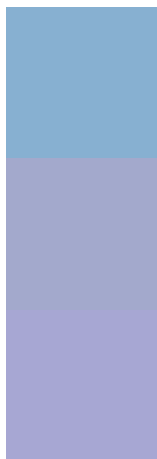


This preview shows how white text looks on a background with the XYZ color 37.0256, 40.8050,

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

37.0256, 40.8050, 66.2463

Protanopia

40.1913, 40.5221, 62.8300

Deuteranopia

41.5129, 40.5561, 67.2682



Tritanopia

35.1058, 40.9157, 56.4993

Trichromacy



Original Color

37.0256, 40.8050, 66.2463

Protanomaly

39.0300, 40.7336, 64.1978

Deuteranomaly

39.5252, 40.3712, 66.6820

Tritanomaly

35.7449, 40.8698, 60.0375

Monochromacy



Original Color

37.0256, 40.8050, 66.2463

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8205, 39.6126, 50.5051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0256, 40.8050, 66.2463 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(135, 176, 209)` looks like.

```
.text, #text, p{  
    color:rgb(135, 176, 209)  
}
```

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(135, 176, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 176, 209) }
```

Border

The CSS property to change the border of an element to XYZ 37.0256, 40.8050, 66.2463 is called "border". The border property can be set on classes, ids or directly on the HTML element.

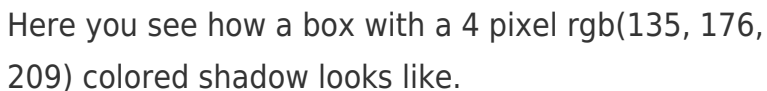
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 176, 209) }
```


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

```
.border{ border-color:rgb(135, 176, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 176, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 176, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 176, 209); box-shadow:4px 4px 4px 4px rgb(135, 176, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0256, 40.8050, 66.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 176, 209) }
```

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

```
.background{ background-color: rgb(135,  
176, 209) }
```

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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