

Converting Colors

XYZ(36.7151, 40.0955, 64.8356)

Have a look what the booklet for
XYZ(36.7151, 40.0955, 64.8356)
contains.

XYZ(36.7151, 40.0955, 64.8356)	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(36.7151, 40.0955,
64.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	89AECF
RGB	137, 174, 207
RGB Percent	54%, 68%, 81%
CMY	0.4627, 0.3176, 0.1882
CMYK	0.34, 0.16, 0.00, 0.19
HSL	208°, 42%, 67%
HSV	208°, 34%, 81%
XYZ	36.7151, 40.0955, 64.8356
YIQ	166.6990, -32.6450, 2.4190

Conversions

Conversions Part 2

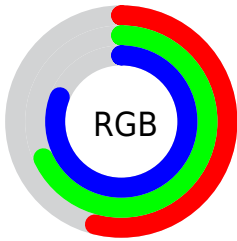
Format	Color
RYB	137, 161, 207
Decimal	9023183
CIELab	69.54, -4.55, -20.78
CIELCh	70, 21.275, 257.642
Yxy	40.0955, 0.2592, 0.2831
Android (android.graphics.Color)	4287213263 (0xFF89AECF)
YUV	166.6990, 19.8684, -26.0460
Hunter-Lab	63.3210, -7.3130, -16.3835

Details

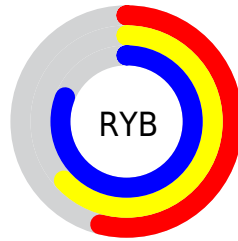
The XYZ color **36.7151, 40.0955, 64.8356** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.6229, 43.8216, 29.7747**, and the grayscale version is **36.5031, 38.4041, 41.8221**.

A 20% lighter version of the original color is **67.8075, 74.4651, 105.4071**, and **16.3655, 18.1038, 32.7688** is the 20% darker color. If you saturate the color by 10%, you get **31.8248, 34.8776, 64.0869**, and if you desaturate by 10%, it is **42.3959, 45.9261, 65.6623**.

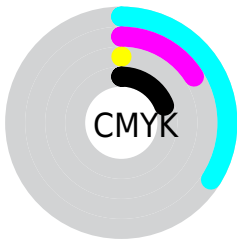
Distribution



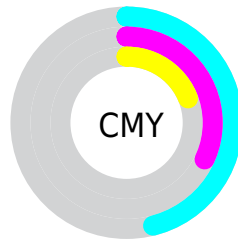
- Red (54%)
- Green (68%)
- Blue (81%)



- Red (54%)
- Yellow (63%)
- Blue (81%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)



- Cyan (46%)
- Magenta (32%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7151, 40.0955, 64.8356 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 36.7151, 40.0955, 64.8356 by changing the saturation by 10% instead.

■ 36.7151, 40.0955,
64.8356

■ 36.7151, 40.0955,
64.8356

323.4524,
346.5259, 460.4910

■ 25.1596, 27.6130,
46.8773

■ 69.4511, 75.3089,
113.4245

■ 16.3254, 18.0341,
32.5850

■ 91.3623, 98.8086,
144.8921

■ 9.8470, 10.9745,
21.5402

■ 117.4562,
126.7495, 181.7000

■ 5.3591, 6.0497,
13.3244

148.0980,
159.5161, 224.2665

■ 2.4964, 2.8753,
7.5189

183.6532,
197.4926, 273.0104

■ 0.8934, 1.0670,
3.7054

224.4871,

■ 0.0000, 0.0000,

241.0634, 328.3501

1.4651

270.9650,
290.6131, 390.7041

■ 0.0000, 0.0000,
0.1918

■ 0.0000, 0.0000,
0.0000

■ 36.7151, 40.0955,
64.8356

■ 36.7151, 40.0955,
64.8356

■ 31.8248, 34.8776,
64.0869

■ 42.3959, 45.9261,
65.6623

■ 27.6809, 30.2426,
63.4106

■ 48.9005, 52.3880,
66.5667

■ 24.2406, 26.1649,
62.8049

■ 56.2650, 59.5047,
67.5523

■ 21.4547, 22.6146,
62.2665

■ 64.5218, 67.2969,
68.6211

■ 19.2665, 19.5577,
61.7917

■ 73.7019, 75.7843,
69.7755

■ 17.6083, 16.9543,
61.3766

■ 81.5151, 83.7901,
70.9090

■ 16.7760, 15.5318,
61.1459

■ 84.3475, 89.4547,
71.8531

■ 87.3348, 95.4295,
72.8489

■ 88.2626, 97.2850,
73.1581

Harmonies

Analogous

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



33.8354, 40.0955, 59.1597



36.7151, 40.0955, 64.8356



40.1441, 40.0955, 64.2504

Triad

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



36.7151, 40.0955, 64.8356



44.7483, 40.0955, 38.1777



33.4396, 40.0955, 32.1248

Complementary

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



36.7151, 40.0955, 64.8356



44.6229, 43.8216, 29.7747

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.



36.1449, 40.0955, 28.0142



36.7151, 40.0955, 64.8356



42.7294, 40.0955, 31.1312

Square

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



36.7151, 40.0955, 64.8356



44.9238, 40.0955, 47.8267



39.5389, 40.0955, 27.6800



32.0218, 40.0955, 39.7373

Rectangle

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



36.7151, 40.0955, 64.8356



42.2822, 40.0955, 60.3916



39.5389, 40.0955, 27.6800



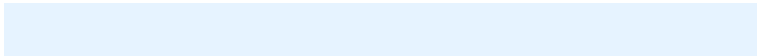
34.2209, 40.0955, 30.3405

Sweetspot

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



36.7164, 40.0971, 64.8365



82.5672, 88.0490, 107.2511



39.8546, 52.8346, 45.9637



17.3221, 18.5054, 22.9089



0.0000, 0.0000, 0.0000



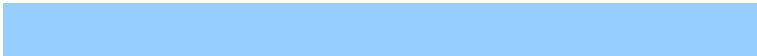
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7164, 40.0971, 64.8365



52.7132, 57.7518, 102.9767



30.8611, 28.3865, 62.8848



11.6735, 12.4373, 15.0290



10.6650, 9.9767, 38.5561



0.6754, 0.7161, 2.1822

Inverse Universe

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



42.3189, 34.2139, 44.4196



63.3241, 47.6589, 64.0720



52.0000, 58.5757, 32.2337



12.0661, 11.9112, 13.6239



18.0140, 9.0784, 10.2456



1.0472, 0.5236, 0.7832

Previews

White Background



This preview shows how the XYZ color 36.7151, 40.0955, 64.8356 looks on a white background.

Color Contrast Check

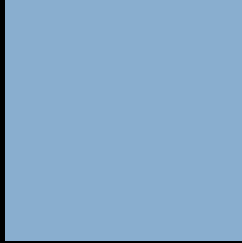
Large Text (above 18pt) WCAG AA × Fail

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 36.7151, 40.0955, 64.8356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

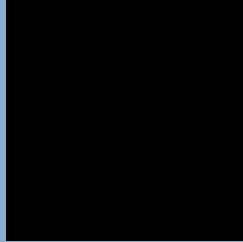
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7151, 40.0955, 64.8356

Background



This preview shows how black text looks on a background with the XYZ color 36.7151, 40.0955, 64.8356.



This preview shows how white text looks on a background with the XYZ color 36.7151, 40.0955,

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

36.7151, 40.0955, 64.8356

Protanopia

39.6824, 39.9984, 62.1289

Deuteranopia

40.8707, 39.9829, 65.8849



Tritanopia

34.7990, 40.1924, 55.2140

Trichromacy



Original Color

36.7151, 40.0955, 64.8356

Protanomaly

38.4107, 39.8814, 62.8002

Deuteranomaly

39.0907, 39.8986, 65.3154

Tritanomaly

35.4349, 40.1502, 58.7055

Monochromacy



Original Color

36.7151, 40.0955, 64.8356

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.5285, 39.1948, 49.8961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7151, 40.0955, 64.8356 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(137, 174, 207)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 207)  
}
```

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(137, 174, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 207) }
```

Border

The CSS property to change the border of an element to XYZ 36.7151, 40.0955, 64.8356 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(137, 174, 207) }
```


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

```
.border{ border-color:rgb(137, 174, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 174, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 207);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7151, 40.0955, 64.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 207) }
```

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

```
.background{ background-color: rgb(137,  
174, 207) }
```

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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