

Converting Colors

XYZ(37.1020, 36.7051, 77.8023)

Have a look what the booklet for
XYZ(37.1020, 36.7051, 77.8023)
contains.

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Color

**XYZ(37.1020, 36.7051,
77.8023)**

Conversions

Conversions Part 1

Format	Color
Hex	89A2E3
RGB	137, 162, 227
RGB Percent	54%, 64%, 89%
CMY	0.4627, 0.3647, 0.1098
CMYK	0.40, 0.29, 0.00, 0.11
HSL	223°, 62%, 71%
HSV	223°, 40%, 89%
XYZ	37.1020, 36.7051, 77.8023
YIQ	161.9350, -35.7650, 14.9150

Conversions

Conversions Part 2

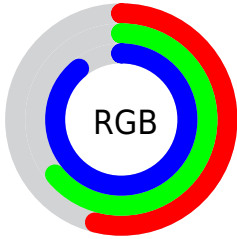
Format	Color
RYB	137, 157, 227
Decimal	9020131
CIELab	67.06, 7.42, -35.60
CIELCh	67, 36.369, 281.774
Yxy	36.7051, 0.2447, 0.2421
Android (android.graphics.Color)	4287210211 (0xFF89A2E3)
YUV	161.9350, 32.0770, -21.8680
Hunter-Lab	60.5847, 3.2898, -33.7303

Details

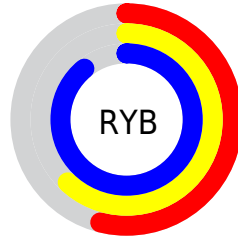
The XYZ color **37.1020, 36.7051, 77.8023** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.3155, 60.3793, 32.3020**, and the grayscale version is **34.1800, 35.9600, 39.1604**.

A 20% lighter version of the original color is **64.8552, 68.1832, 104.3502**, and **16.6024, 16.1482, 40.7699** is the 20% darker color. If you saturate the color by 10%, you get **31.0629, 29.5811, 76.7462**, and if you desaturate by 10%, it is **44.3030, 44.9884, 79.0223**.

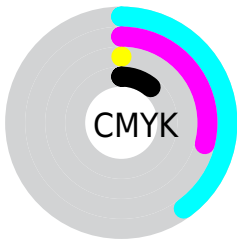
Distribution



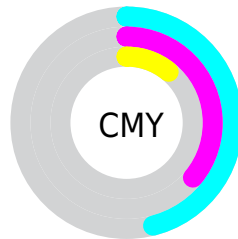
- Red (54%)
- Green (64%)
- Blue (89%)



- Red (54%)
- Yellow (62%)
- Blue (89%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (11%)



- Cyan (46%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1020, 36.7051, 77.8023 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 37.1020, 36.7051, 77.8023 by changing the saturation by 10% instead.

■ 37.1020, 36.7051,
77.8023

■ 37.1020, 36.7051,
77.8023

325.0998,
332.0320, 507.0053

■ 25.4605, 24.9792,
57.3961

■ 70.0424, 70.1190,
132.0547

■ 16.5510, 16.0616,
40.9119

■ 92.0721, 92.5758,
166.7380

■ 10.0082, 9.5677,
27.9310

■ 118.2952,
119.3784, 207.0175

■ 5.4667, 5.1133,
18.0351

149.0771,
150.9112, 253.3115

■ 2.5612, 2.3139,
10.8055

184.7832,
187.5586, 306.0388

■ 0.9262, 0.7811,
5.8237

225.7787,

■ 0.0000, 0.0000,

229.7049, 365.6178

2.6711

272.4291,
277.7346, 432.4672

■ 0.0000, 0.0000,
0.9288

■ 0.0000, 0.0000,
0.0000

■ 37.1020, 36.7051,
77.8023

■ 37.1020, 36.7051,
77.8023

■ 31.0629, 29.5811,
76.7462

■ 44.3030, 44.9884,
79.0223

■ 26.1178, 23.5579,
75.8442

■ 52.7208, 54.4775,
80.4102

■ 22.1976, 18.5777,
75.0896

■ 62.4115, 65.2214,
81.9732

■ 19.2229, 14.5751,
74.4738

■ 73.4264, 77.2647,
83.7173

■ 17.1011, 11.4760,
73.9874

■ 85.8140, 90.6502,
85.6480

■ 15.6882, 9.1771,
73.6182

■ 90.8652, 98.3261,
86.8634

■ 15.6458, 9.1072,
73.6069

Harmonies

Analogous

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



31.6661, 36.7051, 76.4275



37.1020, 36.7051, 77.8023



42.4607, 36.7051, 67.2485

Triad

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



37.1020, 36.7051, 77.8023



43.4327, 36.7051, 22.9181



25.7310, 36.7051, 31.1780

Complementary

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



37.1020, 36.7051, 77.8023



57.3155, 60.3793, 32.3020

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.



28.2723, 36.7051, 21.2857



37.1020, 36.7051, 77.8023



38.3194, 36.7051, 17.4585

Square

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



37.1020, 36.7051, 77.8023



46.3656, 36.7051, 34.0684



32.7621, 36.7051, 16.9528



25.4790, 36.7051, 46.5068

Rectangle

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



37.1020, 36.7051, 77.8023



45.1190, 36.7051, 56.1667



32.7621, 36.7051, 16.9528



26.3323, 36.7051, 27.2244

Sweetspot

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



37.1033, 36.7065, 77.8032



78.0252, 81.3525, 106.1980



48.3883, 64.4980, 65.4674



16.3365, 17.0103, 22.6722



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.



37.1033, 36.7065, 77.8032



41.4053, 39.6650, 100.0816



36.6194, 30.5568, 76.6417



13.9071, 14.5356, 18.2170



9.2090, 5.4802, 42.9556



0.7568, 0.5576, 3.1997

Inverse Universe

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



47.1469, 36.8322, 38.8082



56.5110, 40.7010, 41.2431



57.8575, 70.0827, 34.1463



14.5407, 14.4335, 15.7817



19.0418, 9.7509, 3.8491



1.4456, 0.7360, 0.4873

Previews

White Background



This preview shows how the XYZ color 37.1020, 36.7051, 77.8023 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 37.1020, 36.7051, 77.8023 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 37.1020, 36.7051, 77.8023

Background



This preview shows how black text looks on a background with the XYZ color 37.1020, 36.7051, 77.8023.



This preview shows how white text looks on a background with the XYZ color 37.1020, 36.7051,

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

37.1020, 36.7051, 77.8023

Protanopia

37.8000, 36.8204, 77.0663

Deuteranopia

37.5945, 36.6985, 77.7751



Tritanopia

31.6306, 36.6458, 50.7536

Trichromacy



Original Color

37.1020, 36.7051, 77.8023

Protanomaly

37.4568, 36.6434, 77.0502

Deuteranomaly

37.4252, 36.6112, 77.7672

Tritanomaly

33.4500, 36.5534, 59.9361

Monochromacy



Original Color

37.1020, 36.7051, 77.8023

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.9201, 36.1581, 51.5931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1020, 36.7051, 77.8023 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, 162, 227)` looks like.

```
.text, #text, p{  
    color:rgb(137, 162, 227)  
}
```

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, 162, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 162, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.1020, 36.7051, 77.8023 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, 162, 227) }
```


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

```
.border{ border-color:rgb(137, 162, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 162, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 162, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 162, 227);  
box-shadow:4px 4px 4px 4px rgb(137, 162,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1020, 36.7051, 77.8023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 162, 227) }
```

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

```
.background{ background-color: rgb(137,  
162, 227) }
```

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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