

Converting Colors

XYZ(36.3183, 36.9223, 73.6191)

Have a look what the booklet for
XYZ(36.3183, 36.9223, 73.6191)
contains.

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Color

**XYZ(36.3183, 36.9223,
73.6191)**

Conversions

Conversions Part 1

Format	Color
Hex	87A4DD
RGB	135, 164, 221
RGB Percent	53%, 64%, 87%
CMY	0.4706, 0.3569, 0.1333
CMYK	0.39, 0.26, 0.00, 0.13
HSL	220°, 56%, 70%
HSV	220°, 39%, 87%
XYZ	36.3183, 36.9223, 73.6191
YIQ	161.8270, -35.5810, 11.5790

Conversions

Conversions Part 2

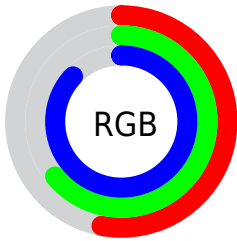
Format	Color
RYB	135, 157, 221
Decimal	8889565
CIELab	67.22, 4.13, -32.06
CIELCh	67, 32.323, 277.332
Yxy	36.9223, 0.2473, 0.2514
Android (android.graphics.Color)	4287079645 (0xFF87A4DD)
YUV	161.8270, 29.1723, -23.5273
Hunter-Lab	60.7637, 0.3524, -29.2990

Details

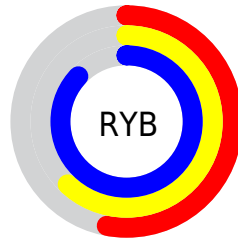
The XYZ color **36.3183, 36.9223, 73.6191** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **53.0426, 54.8218, 30.7091**, and the grayscale version is **34.1426, 35.9207, 39.1176**.

A 20% lighter version of the original color is **64.8674, 68.9594, 104.4994**, and **16.0704, 16.0908, 38.3352** is the 20% darker color. If you saturate the color by 10%, you get **30.6527, 30.3323, 72.6464**, and if you desaturate by 10%, it is **43.0264, 44.4994, 74.7287**.

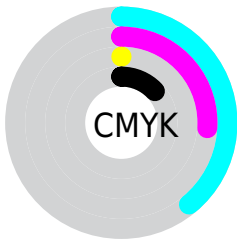
Distribution



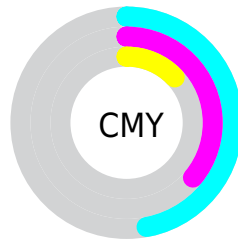
- Red (53%)
- Green (64%)
- Blue (87%)



- Red (53%)
- Yellow (62%)
- Blue (87%)



- Cyan (39%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (36%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3183, 36.9223, 73.6191 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 36.3183, 36.9223, 73.6191 by changing the saturation by 10% instead.

■ 36.3183, 36.9223,
73.6191

■ 36.3183, 36.9223,
73.6191

321.7567,
332.9740, 492.2859

■ 24.8514, 25.1473,
53.9874

■ 68.8437, 70.4533,
126.0848

■ 16.0945, 16.1869,
38.1985

■ 90.6330, 92.9781,
159.7558

■ 9.6823, 9.6565,
25.8338

■ 116.5936,
119.8549, 198.9438

■ 5.2495, 5.1718,
16.4747

147.0912,
151.4682, 244.0672

■ 2.4306, 2.3484,
9.7027

182.4909,
188.2024, 295.5446

■ 0.8604, 0.7992,
5.0993

223.1581,

■ 0.0000, 0.0000,

230.4418, 353.7945

2.2459

269.4583,
278.5709, 419.2354

■ 0.0000, 0.0000,
0.7007

■ 0.0000, 0.0000,
0.0000

■ 36.3183, 36.9223,
73.6191

■ 36.3183, 36.9223,
73.6191

■ 30.6527, 30.3323,
72.6464

■ 43.0264, 44.4994,
74.7287

■ 25.9695, 24.6811,
71.8024

■ 50.8249, 53.1005,
75.9779

■ 22.2082, 19.9222,
71.0821

■ 59.7633, 62.7657,
77.3724

■ 19.2990, 16.0028,
70.4789

■ 69.8867, 73.5313,
78.9168

■ 17.1610, 12.8629,
69.9855

■ 81.2378, 85.4322,
80.6156

■ 15.6738, 10.4210,
69.5926

■ 89.0669, 96.0318,
82.2489

■ 15.5352, 10.1883,
69.5550

■ 90.0513, 98.0005,
82.5770

Harmonies

Analogous

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



31.5629, 36.9223, 70.8460



36.3183, 36.9223, 73.6191



41.1669, 36.9223, 65.9063

Triad

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



36.3183, 36.9223, 73.6191



43.1902, 36.9223, 25.8738



27.0472, 36.9223, 30.6141

Complementary

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



36.3183, 36.9223, 73.6191



53.0426, 54.8218, 30.7091

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.



29.6490, 36.9223, 22.2373



36.3183, 36.9223, 73.6191



38.8781, 36.9223, 19.9816

Square

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



36.3183, 36.9223, 73.6191



45.3688, 36.9223, 36.8333



33.8966, 36.9223, 18.8271



26.5001, 36.9223, 43.7704

Rectangle

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



36.3183, 36.9223, 73.6191



43.7009, 36.9223, 56.7228



33.8966, 36.9223, 18.8271



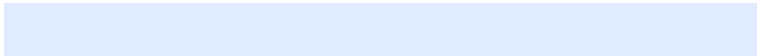
27.6978, 36.9223, 27.2478

Sweetspot

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



36.3196, 36.9237, 73.6200



78.5424, 82.3869, 106.3704



45.2422, 60.6219, 58.5503



16.4577, 17.2526, 22.7126



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.



36.3196, 36.9237, 73.6200



43.5059, 43.2635, 100.6654



33.9111, 28.8364, 72.1859



12.6957, 13.3312, 16.5562



9.1186, 6.1066, 40.4365



0.6688, 0.5518, 2.6457

Inverse Universe

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



45.1847, 35.3818, 39.5712



57.7184, 41.7472, 45.8647



56.2711, 66.8873, 32.8679



13.2363, 13.1236, 14.5055



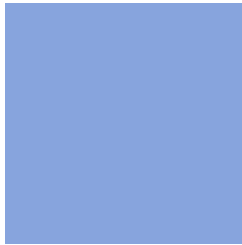
18.0980, 9.2402, 4.8959



1.2119, 0.6144, 0.5247

Previews

White Background



This preview shows how the XYZ color 36.3183, 36.9223, 73.6191 looks on a white background.

Color Contrast Check

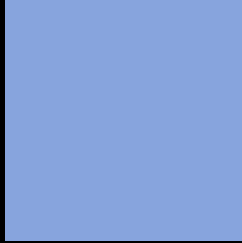
Large Text (above 18pt) WCAG AA × Fail

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 36.3183, 36.9223, 73.6191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

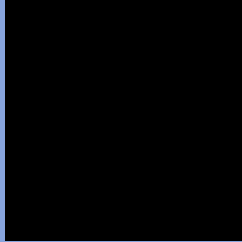
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3183, 36.9223, 73.6191

Background



This preview shows how black text looks on a background with the XYZ color 36.3183, 36.9223, 73.6191.



This preview shows how white text looks on a background with the XYZ color 36.3183, 36.9223,

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

36.3183, 36.9223, 73.6191

Protanopia

37.5637, 36.8073, 72.1425

Deuteranopia

37.7837, 36.8747, 74.2333



Tritanopia

31.8188, 37.0221, 50.8164

Trichromacy



Original Color

36.3183, 36.9223, 73.6191

Protanomaly

37.1663, 36.8476, 72.8636

Deuteranomaly

37.2605, 36.8654, 74.2591

Tritanomaly

33.1339, 36.7036, 58.1615

Monochromacy



Original Color

36.3183, 36.9223, 73.6191

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.5933, 36.2887, 49.9809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3183, 36.9223, 73.6191 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, 164, 221)` looks like.

```
.text, #text, p{  
    color:rgb(135, 164, 221)  
}
```

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, 164, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 164, 221) }
```

Border

The CSS property to change the border of an element to XYZ 36.3183, 36.9223, 73.6191 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, 164, 221) }
```


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

```
.border{ border-color:rgb(135, 164, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 164, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 164, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 164, 221);  
box-shadow:4px 4px 4px 4px rgb(135, 164,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3183, 36.9223, 73.6191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 164, 221) }
```

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

```
.background{ background-color: rgb(135,  
164, 221) }
```

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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