

Converting Colors

XYZ(36.6025, 40.4087, 74.2771)

Have a look what the booklet for
XYZ(36.6025, 40.4087, 74.2771)
contains.

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Color

**XYZ(36.6025, 40.4087,
74.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB0DD
RGB	122, 176, 221
RGB Percent	48%, 69%, 87%
CMY	0.5216, 0.3098, 0.1333
CMYK	0.45, 0.20, 0.00, 0.13
HSL	207°, 59%, 67%
HSV	207°, 45%, 87%
XYZ	36.6025, 40.4087, 74.2771
YIQ	164.9840, -46.6290, 2.5470

Conversions

Conversions Part 2

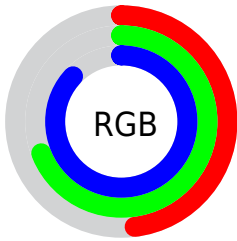
Format	Color
R_{YB}	122, 157, 221
Decimal	8040669
CIE _{Lab}	69.76, -5.88, -28.20
CIE _{LCh}	70, 28.806, 258.215
Yxy	40.4087, 0.2419, 0.2671
Android (android.graphics.Color)	4286230749 (0xFF7AB0DD)
YUV	164.9840, 27.6159, -37.6970
Hunter-Lab	63.5678, -8.4630, -24.7811

Details

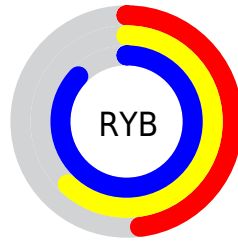
The XYZ color **36.6025, 40.4087, 74.2771** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.1514, 44.4159, 24.5017**, and the grayscale version is **35.6455, 37.5018, 40.8395**.

A 20% lighter version of the original color is **65.2667, 74.3982, 105.5281**, and **16.3374, 18.3267, 38.7527** is the 20% darker color. If you saturate the color by 10%, you get **31.9247, 35.1814, 73.5154**, and if you desaturate by 10%, it is **42.1402, 46.2974, 75.1226**.

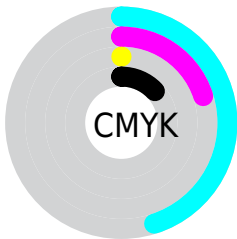
Distribution



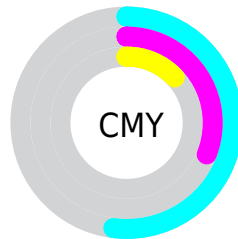
- Red (48%)
- Green (69%)
- Blue (87%)



- Red (48%)
- Yellow (62%)
- Blue (87%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)



- Cyan (52%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6025, 40.4087, 74.2771 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 36.6025, 40.4087, 74.2771 by changing the saturation by 10% instead.

■ 36.6025, 40.4087,
74.2771

■ 36.6025, 40.4087,
74.2771

322.9718,
347.8432, 494.6181

■ 25.0721, 27.8573,
54.5227

■ 69.2788, 75.7855,
127.0262

■ 16.2598, 18.2182,
38.6237

■ 91.1555, 99.3797,
160.8580

■ 9.8002, 11.1067,
26.1615

■ 117.2116,
127.4236, 200.2193

■ 5.3279, 6.1387,
16.7177

147.8126,
160.3017, 245.5288

■ 2.4777, 2.9296,
9.8736

183.3237,
198.3983, 297.2048

■ 0.8840, 1.0951,
5.2107

224.1104,

■ 0.0000, 0.0000,

242.0978, 355.6660

2.3105

270.5380,
291.7846, 421.3310

■ 0.0000, 0.0000,
0.7371

■ 0.0000, 0.0000,
0.0000

■ 36.6025, 40.4087,
74.2771

■ 36.6025, 40.4087,
74.2771

■ 31.9247, 35.1814,
73.5154

■ 42.1402, 46.2974,
75.1226

■ 28.0509, 30.5794,
72.8313

■ 48.5812, 52.8718,
76.0521

■ 24.9240, 26.5695,
72.2221

■ 55.9703, 60.1602,
77.0695

■ 22.4770, 23.1119,
71.6837

■ 64.3482, 68.1880,
78.1774

■ 20.6283, 20.1596,
71.2113

■ 73.7530, 76.9788,
79.3785

■ 19.8337, 18.7854,
70.9879

■ 84.2209, 86.5552,
80.6753

■ 87.3447, 92.5874,
81.6749

■ 90.0513, 98.0005,
82.5771

Harmonies

Analogous

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



32.7296, 40.4087, 66.0930



36.6025, 40.4087, 74.2771



41.2829, 40.4087, 73.2236

Triad

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



36.6025, 40.4087, 74.2771



47.5831, 40.4087, 36.4395



32.0936, 40.4087, 28.9916

Complementary

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



36.6025, 40.4087, 74.2771



47.1514, 44.4159, 24.5017

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.



35.6683, 40.4087, 23.8133



36.6025, 40.4087, 74.2771



44.7062, 40.4087, 27.4743

Square

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



36.6025, 40.4087, 74.2771



47.8845, 40.4087, 49.4618



40.2704, 40.4087, 23.3209



30.2711, 40.4087, 38.9526

Rectangle

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



36.6025, 40.4087, 74.2771



44.2339, 40.4087, 67.4525



40.2704, 40.4087, 23.3209



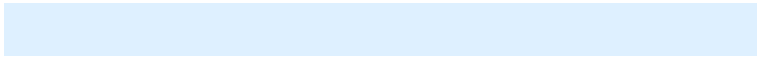
33.1162, 40.4087, 26.7290

Sweetspot

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



36.6038, 40.4102, 74.2781



79.2683, 85.0060, 106.8377



40.8171, 58.6248, 45.5073



16.4441, 17.6879, 22.7973



0.0000, 0.0000, 0.0000



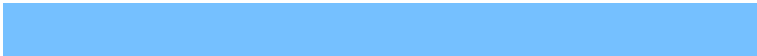
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6038, 40.4102, 74.2781



44.3662, 48.9022, 101.7085



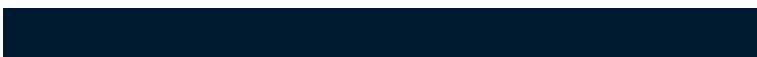
28.6614, 24.5253, 71.6306



12.9243, 13.7884, 16.6324



11.6363, 11.1421, 41.2757



0.8396, 0.8933, 2.7026

Inverse Universe

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



44.6159, 32.4271, 44.9834



57.1962, 37.8766, 54.4038



57.9012, 65.9155, 28.0850



13.3517, 13.1698, 15.1131



19.3688, 9.7486, 11.5881



1.2981, 0.6489, 0.9786

Previews

White Background



This preview shows how the XYZ color 36.6025, 40.4087, 74.2771 looks on a white background.

Color Contrast Check

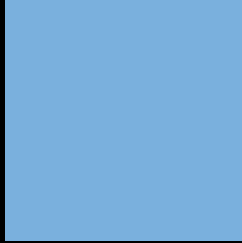
Large Text (above 18pt) WCAG AA × Fail

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 36.6025, 40.4087, 74.2771 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 36.6025, 40.4087, 74.2771

Background



This preview shows how black text looks on a background with the XYZ color 36.6025, 40.4087, 74.2771.

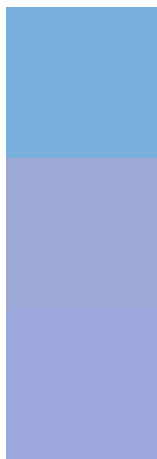


This preview shows how white text looks on a background with the XYZ color 36.6025, 40.4087,

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

36.6025, 40.4087, 74.2771

Protanopia

40.3689, 40.1807, 69.9180

Deuteranopia

41.0426, 40.1332, 75.3953



Tritanopia

33.4444, 40.6327, 57.7099

Trichromacy



Original Color

36.6025, 40.4087, 74.2771

Protanomaly

38.7643, 40.1553, 71.3533

Deuteranomaly

39.0611, 39.9527, 74.7601

Tritanomaly

34.4904, 40.4514, 63.1168

Monochromacy



Original Color

36.6025, 40.4087, 74.2771

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.3393, 38.2683, 51.4229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6025, 40.4087, 74.2771 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(122, 176, 221)` looks like.

```
.text, #text, p{  
    color:rgb(122, 176, 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(122, 176, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 176, 221) }
```

Border

The CSS property to change the border of an element to XYZ 36.6025, 40.4087, 74.2771 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(122, 176, 221) }
```


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

```
.border{ border-color:rgb(122, 176, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 176, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 176, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 176, 221);  
box-shadow:4px 4px 4px 4px rgb(122, 176,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6025, 40.4087, 74.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 176, 221) }
```

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

```
.background{ background-color: rgb(122,  
176, 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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