

Converting Colors

XYZ(36.0033, 40.4686, 70.8802)

Have a look what the booklet for
XYZ(36.0033, 40.4686, 70.8802)
contains.

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Color

**XYZ(36.0020, 40.4671,
70.8792)**

Conversions

Conversions Part 1

Format	Color
Hex	79B1D8
RGB	121, 177, 216
RGB Percent	47%, 69%, 85%
CMY	0.5255, 0.3059, 0.1529
CMYK	0.44, 0.18, 0.00, 0.15
HSL	205°, 55%, 66%
HSV	205°, 44%, 85%
XYZ	36.0020, 40.4671, 70.8792
YIQ	164.7020, -45.8950, 0.2570

Conversions

Conversions Part 2

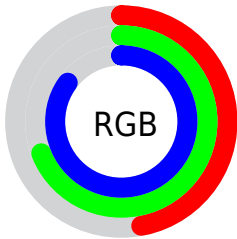
Format	Color
R _{YB}	121, 156, 216
Decimal	7975384
CIE Lab	69.80, -8.06, -25.40
CIE LCh	70, 26.650, 252.392
Yxy	40.4671, 0.2443, 0.2746
Android (android.graphics.Color)	4286165464 (0xFF79B1D8)
YUV	164.7020, 25.2899, -38.3267
Hunter-Lab	63.6138, -10.3026, -21.5320

Details

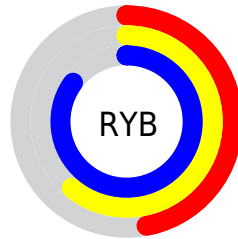
The XYZ color **36.0020, 40.4671, 70.8792** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.3420, 41.1222, 23.6909**, and the grayscale version is **35.5212, 37.3711, 40.6971**.

A 20% lighter version of the original color is **65.3204, 74.8449, 105.6115**, and **15.9466, 18.3643, 36.4224** is the 20% darker color. If you saturate the color by 10%, you get **31.6124, 35.6888, 70.1890**, and if you desaturate by 10%, it is **41.1857, 45.8255, 71.6410**.

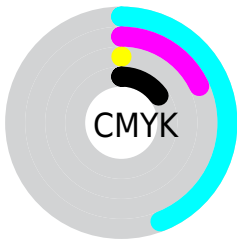
Distribution



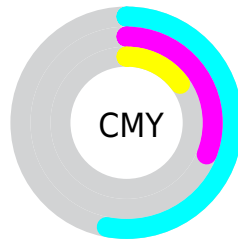
- Red (47%)
- Green (69%)
- Blue (85%)



- Red (47%)
- Yellow (61%)
- Blue (85%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0020, 40.4671, 70.8792 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 36.0020, 40.4671, 70.8792 by changing the saturation by 10% instead.

■ 36.0020, 40.4671,
70.8792

■ 36.0020, 40.4671,
70.8792

320.4004,
348.0884, 482.5033

■ 24.6059, 27.9029,
51.7624

■ 68.3590, 75.8743,
122.1546

■ 15.9108, 18.2525,
36.4348

■ 90.0506, 99.4861,
155.1502

■ 9.5515, 11.1314,
24.4778

■ 115.9047,
127.5492, 193.6092

■ 5.1626, 6.1553,
15.4730

146.2866,
160.4480, 237.9500

■ 2.3787, 2.9397,
9.0017

181.5618,
198.5669, 288.5914

■ 0.8345, 1.1004,
4.6455

222.0956,

■ 0.0000, 0.0000,

242.2904, 345.9516

1.9857

268.2533,
292.0028, 410.4494

■ 0.0000, 0.0000,
0.5465

■ 0.0000, 0.0000,
0.0000

■ 36.0020, 40.4671,
70.8792

■ 36.0020, 40.4671,
70.8792

■ 31.6124, 35.6888,
70.1890

■ 41.1857, 45.8255,
71.6410

■ 27.9650, 31.4580,
69.5646

■ 47.2033, 51.7849,
72.4741

■ 25.0076, 27.7455,
69.0039

■ 54.0962, 58.3707,
73.3820

■ 22.6784, 24.5159,
68.5033

■ 61.9019, 65.6051,
74.3670

■ 20.9028, 21.7274,
68.0586

■ 70.6557, 73.5091,
75.4312

■ 20.0266, 20.2215,
67.8141

■ 80.3908, 82.1027,
76.5769

■ 84.5230, 87.9944,
77.4963

■ 87.1842, 93.3167,
78.3833

■ 89.3948, 97.7379,
79.1202

Harmonies

Analogous

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



32.6430, 40.4671, 62.1453



36.0020, 40.4671, 70.8792



40.2749, 40.4671, 71.6519

Triad

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



36.0020, 40.4671, 70.8792



47.1687, 40.4671, 39.1465



33.1249, 40.4671, 28.7111

Complementary

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



36.0020, 40.4671, 70.8792



44.3420, 41.1222, 23.6909

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.



36.7058, 40.4671, 24.6561



36.0020, 40.4671, 70.8792



44.9362, 40.4671, 29.8782

Square

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



36.0020, 40.4671, 70.8792



46.9447, 40.4671, 51.6648



41.0332, 40.4671, 25.0389



31.0695, 40.4671, 37.2439

Rectangle

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



36.0020, 40.4671, 70.8792



43.0912, 40.4671, 67.3830



41.0332, 40.4671, 25.0389



34.1782, 40.4671, 26.8579

Sweetspot

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



36.0033, 40.4686, 70.8802



79.6995, 85.8684, 106.9814



38.7002, 55.6809, 41.5101



16.5506, 17.9009, 22.8329



0.0000, 0.0000, 0.0000



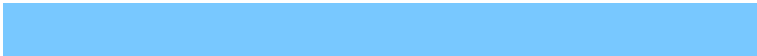
20.3446, 21.4041, 23.3091

Same Dimension

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



36.0033, 40.4686, 70.8802



46.3178, 52.2880, 102.2591



28.3305, 25.1229, 68.3225



12.3449, 13.2132, 15.8373



11.9622, 12.1862, 40.1748



0.8021, 0.8962, 2.4500

Inverse Universe

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



43.0933, 31.4494, 45.3956



58.3075, 38.8045, 58.7656



53.9629, 60.3641, 26.8979



12.7273, 12.5424, 14.5042



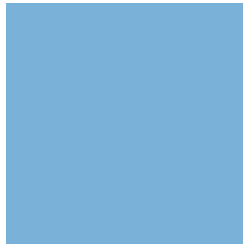
19.0968, 9.5750, 13.0798



1.1925, 0.5938, 1.0031

Previews

White Background



This preview shows how the XYZ color 36.0020, 40.4671, 70.8792 looks on a white background.

Color Contrast Check

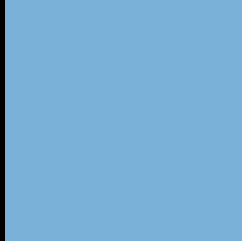
Large Text (above 18pt) WCAG AA × Fail

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 36.0020, 40.4671, 70.8792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

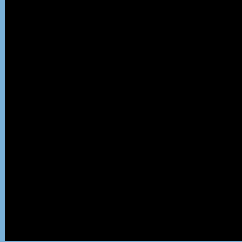
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.0020, 40.4671, 70.8792

Background



This preview shows how black text looks on a background with the XYZ color 36.0020, 40.4671, 70.8792.



This preview shows how white text looks on a background with the XYZ color 36.0020, 40.4671,

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

36.0020, 40.4671, 70.8792

Protanopia

40.1327, 40.1320, 66.6038

Deuteranopia

41.1715, 40.2765, 71.9338



Tritanopia

33.4444, 40.6327, 57.7099

Trichromacy



Original Color

36.0020, 40.4671, 70.8792

Protanomaly

38.3006, 39.9903, 67.9876

Deuteranomaly

38.9414, 40.2466, 71.3616

Tritanomaly

34.4369, 40.7362, 62.5478

Monochromacy



Original Color

36.0020, 40.4671, 70.8792

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.2341, 38.2262, 50.8688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0020, 40.4671, 70.8792 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(121, 177, 216)` looks like.

```
.text, #text, p{  
    color:rgb(121, 177, 216)  
}
```

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(121, 177, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 177, 216) }
```

Border

The CSS property to change the border of an element to XYZ 36.0020, 40.4671, 70.8792 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(121, 177, 216) }
```


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

```
.border{ border-color:rgb(121, 177, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 177, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 177, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 177, 216);  
box-shadow:4px 4px 4px 4px rgb(121, 177,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0020, 40.4671, 70.8792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 177, 216) }
```

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

```
.background{ background-color: rgb(121,  
177, 216) }
```

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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