

Converting Colors

XYZ(37.7766, 40.7495, 68.7500)

Have a look what the booklet for
XYZ(37.7766, 40.7495, 68.7500)
contains.

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Color

**XYZ(37.8214, 40.8673,
68.8456)**

Conversions

Conversions Part 1

Format	Color
Hex	8AAF5D
RGB	138, 175, 213
RGB Percent	54%, 69%, 84%
CMY	0.4588, 0.3137, 0.1647
CMYK	0.35, 0.18, 0.00, 0.16
HSL	210°, 47%, 69%
HSV	210°, 35%, 84%
XYZ	37.8214, 40.8673, 68.8456
YIQ	168.2690, -34.2500, 3.9740

Conversions

Conversions Part 2

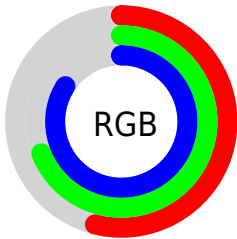
Format	Color
R_{YB}	138, 163, 213
Decimal	9088981
CIELab	70.08, -3.28, -23.24
CIElCh	70, 23.472, 261.961
Yxy	40.8673, 0.2564, 0.2770
Android (android.graphics.Color)	4287279061 (0xFF8AAFD5)
YUV	168.2690, 22.0524, -26.5459
Hunter-Lab	63.9275, -6.2674, -19.1020

Details

The XYZ color **37.8214, 40.8673, 68.8456** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **47.5541, 47.0324, 30.6177**, and the grayscale version is **37.2597, 39.2001, 42.6889**.

A 20% lighter version of the original color is **68.3391, 75.1511, 105.5115**, and **17.0008, 18.5658, 35.0353** is the 20% darker color. If you saturate the color by 10%, you get **32.6200, 35.1922, 68.0251**, and if you desaturate by 10%, it is **43.8844, 47.2376, 69.7564**.

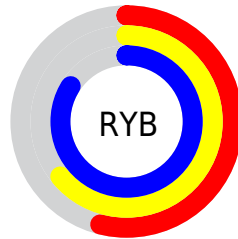
Distribution



Red (54%)

Green (69%)

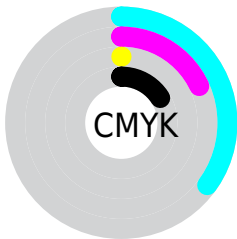
Blue (84%)



Red (54%)

Yellow (64%)

Blue (84%)

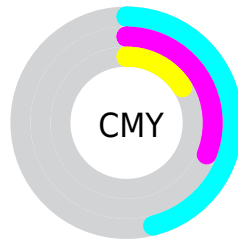


Cyan (35%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (46%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8214, 40.8673, 68.8456 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 37.8214, 40.8673, 68.8456 by changing the saturation by 10% instead.

■ 37.8214, 40.8673,
68.8456

■ 37.8214, 40.8673,
68.8456

328.1473,
349.7657, 475.1654

■ 26.0207, 28.2154,
50.1150

■ 71.1400, 76.4824,
119.2266

■ 16.9719, 18.4881,
35.1330

■ 93.3885, 100.2144,
151.7142

■ 10.3096, 11.3010,
23.4809

■ 119.8504,
128.4086, 189.6244

■ 5.6686, 6.2697,
14.7404

150.8910,
161.4493, 233.3759

■ 2.6833, 3.0097,
8.4928

186.8757,
199.7210, 283.3872

■ 0.9886, 1.1368,
4.3196

228.1697,

■ 0.0000, 0.0092,

243.6080, 340.0769

1.8023

275.1384,
293.4948, 403.8634

■ 0.0000, 0.0000,
0.4294

■ 0.0000, 0.0000,
0.0000

■ 37.8214, 40.8673,
68.8456

■ 37.8214, 40.8673,
68.8456

■ 32.6200, 35.1922,
68.0251

■ 43.8844, 47.2376,
69.7564

■ 28.2317, 30.1788,
67.2887

■ 50.8460, 54.3251,
70.7575

■ 24.6091, 25.7975,
66.6339

■ 58.7460, 62.1565,
71.8527

■ 21.6973, 22.0139,
66.0571

■ 67.6201, 70.7555,
73.0448

■ 19.4335, 18.7889,
65.5539

■ 77.5023, 80.1450,
74.3363

■ 17.7414, 16.0765,
65.1195

■ 84.3380, 88.2393,
75.5383

■ 17.0705, 14.9244,
64.9325

■ 87.6057, 94.7747,
76.6276

■ 89.0104, 97.5842,
77.0958

Harmonies

Analogous

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



34.4757, 40.8673, 63.2816



37.8214, 40.8673, 68.8456



41.6657, 40.8673, 67.0890

Triad

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



37.8214, 40.8673, 68.8456



46.0886, 40.8673, 37.0601



33.3219, 40.8673, 32.7154

Complementary

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



37.8214, 40.8673, 68.8456



47.5541, 47.0324, 30.6177

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.



36.1511, 40.8673, 27.6495



37.8214, 40.8673, 68.8456



43.5647, 40.8673, 29.8554

Square

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



37.8214, 40.8673, 68.8456



46.6089, 40.8673, 47.5155



39.8831, 40.8673, 26.6962



31.9918, 40.8673, 41.6101

Rectangle

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



37.8214, 40.8673, 68.8456



43.9833, 40.8673, 62.1142



39.8831, 40.8673, 26.6962



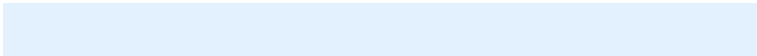
34.1199, 40.8673, 30.5730

Sweetspot

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



37.8227, 40.8689, 68.8466



81.1055, 86.3282, 106.9960



42.0635, 56.1075, 49.4293



17.0186, 18.1380, 22.8540



0.0000, 0.0000, 0.0000



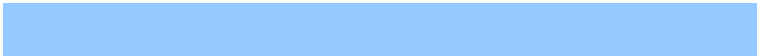
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8227, 40.8689, 68.8466



51.0702, 55.1577, 102.5626



31.5810, 28.3855, 66.7660



12.2435, 13.0104, 15.8035



10.5292, 9.3201, 39.6972



0.7178, 0.7277, 2.4219

Inverse Universe

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



44.2680, 35.4194, 45.0626



62.3260, 46.6132, 60.8090



55.8231, 63.5704, 33.3740



12.6761, 12.5219, 14.2346



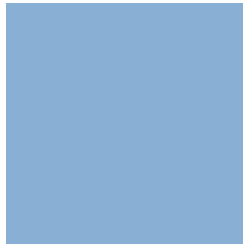
18.3735, 9.2857, 9.2708



1.1500, 0.5768, 0.7791

Previews

White Background



This preview shows how the XYZ color 37.8214, 40.8673, 68.8456 looks on a white background.

Color Contrast Check

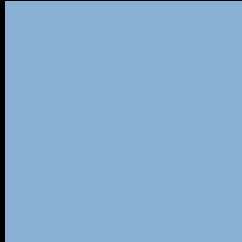
Large Text (above 18pt) WCAG AA × Fail

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 37.8214, 40.8673, 68.8456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

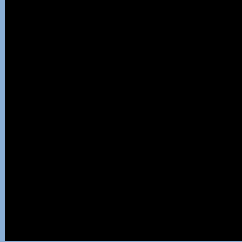
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

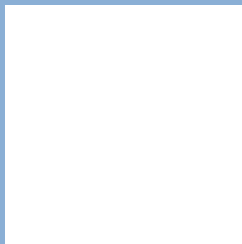
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8214, 40.8673, 68.8456

Background



This preview shows how black text looks on a background with the XYZ color 37.8214, 40.8673, 68.8456.

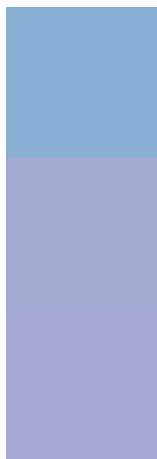


This preview shows how white text looks on a background with the XYZ color 37.8214, 40.8673,

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

37.8214, 40.8673, 68.8456

Protanopia

40.5969, 40.6608, 66.0302

Deuteranopia

41.7854, 40.9109, 69.9842



Tritanopia

35.4186, 41.0770, 56.5140

Trichromacy



Original Color

37.8214, 40.8673, 68.8456

Protanomaly

39.3326, 40.5513, 66.7269

Deuteranomaly

40.2181, 40.9494, 69.4026

Tritanomaly

36.3374, 41.1618, 60.6734

Monochromacy



Original Color

37.8214, 40.8673, 68.8456

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1193, 39.7546, 51.0644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8214, 40.8673, 68.8456 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(138, 175, 213)` looks like.

```
.text, #text, p{  
    color:rgb(138, 175, 213)  
}
```

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(138, 175, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 175, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.8214, 40.8673, 68.8456 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(138, 175, 213) }
```


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

```
.border{ border-color:rgb(138, 175, 213) }
```

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

Here you see how a box with a 4 pixel rgb(138, 175, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 175, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 175, 213);  
box-shadow:4px 4px 4px 4px rgb(138, 175,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8214, 40.8673, 68.8456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 175, 213) }
```

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

```
.background{ background-color: rgb(138,  
175, 213) }
```

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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