

Converting Colors

XYZ(42.8290, 45.0228, 78.3844)

Have a look what the booklet for
XYZ(42.8290, 45.0228, 78.3844)
contains.

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Color

**XYZ(42.8290, 45.0228,
78.3844)**

Conversions

Conversions Part 1

Format	Color
Hex	96B5E2
RGB	150, 181, 226
RGB Percent	59%, 71%, 89%
CMY	0.4118, 0.2902, 0.1137
CMYK	0.34, 0.20, 0.00, 0.11
HSL	216°, 57%, 74%
HSV	216°, 34%, 89%
XYZ	42.8290, 45.0228, 78.3844
YIQ	176.8610, -32.9210, 7.4230

Conversions

Conversions Part 2

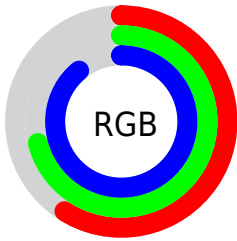
Format	Color
R_{YB}	150, 172, 226
Decimal	9876962
CIE _{Lab}	72.91, 0.11, -25.96
CIE _{LCh}	73, 25.960, 270.238
Yxy	45.0228, 0.2576, 0.2708
Android (android.graphics.Color)	4288067042 (0xFF96B5E2)
YUV	176.8610, 24.2255, -23.5571
Hunter-Lab	67.0990, -3.4876, -22.2926

Details

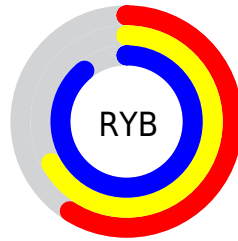
The XYZ color **42.8290, 45.0228, 78.3844** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.3849, 57.4015, 36.9633**, and the grayscale version is **41.6075, 43.7744, 47.6703**.

A 20% lighter version of the original color is **73.7878, 80.9102, 106.3359**, and **19.8937, 20.8654, 41.5070** is the 20% darker color. If you saturate the color by 10%, you get **36.4732, 37.9001, 77.3454**, and if you desaturate by 10%, it is **50.2511, 53.0852, 79.5502**.

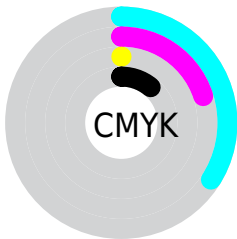
Distribution



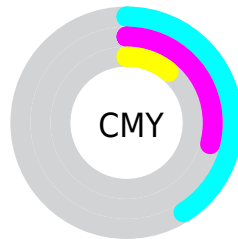
- Red (59%)
- Green (71%)
- Blue (89%)



- Red (59%)
- Yellow (67%)
- Blue (89%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (41%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8290, 45.0228, 78.3844 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 42.8290, 45.0228, 78.3844 by changing the saturation by 10% instead.

■ 42.8290, 45.0228,
78.3844

■ 42.8290, 45.0228,
78.3844

348.8415,
366.8659, 509.0338

■ 29.9449, 31.4754,
57.8715

■ 78.7101, 82.7546,
132.8827

■ 19.9446, 20.9611,
41.2913

■ 102.4378,
107.7078, 167.7051

■ 12.4628, 13.0956,
28.2254

130.5107,
137.2317, 208.1344

■ 7.1341, 7.4944,
18.2551

163.2942,
171.7108, 254.5892

■ 3.5932, 3.7732,
10.9620

201.1537,
211.5293, 307.4880

■ 1.4747, 1.5475,
5.9274

244.4545,

■ 0.3085, 0.3218,

257.0717, 367.2493

2.7329

293.5620,
308.7225, 434.2918

■ 0.0000, 0.0000,
0.9599

■ 0.0000, 0.0000,
0.0000

■ 42.8290, 45.0228,
78.3844

■ 42.8290, 45.0228,
78.3844

■ 36.4732, 37.9001,
77.3454

■ 50.2511, 53.0852,
79.5502

■ 31.1256, 31.6732,
76.4253

■ 58.7848, 62.1180,
80.8439

■ 26.7292, 26.3024,
75.6203

■ 68.4777, 72.1569,
82.2708

■ 23.2185, 21.7420,
74.9251

■ 79.3735, 83.2341,
83.8346

■ 20.5189, 17.9410,
74.3337

■ 88.5073, 93.8305,
85.3985

■ 18.5412, 14.8399,
73.8394

■ 90.7276, 98.2710,
86.1386

■ 17.5711, 13.1780,
73.5698

Harmonies

Analogous

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



38.6194, 45.0228, 73.9778



42.8290, 45.0228, 78.3844



47.3235, 45.0228, 73.8416

Triad

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



42.8290, 45.0228, 78.3844



50.7544, 45.0228, 37.5187



35.6786, 45.0228, 37.6690

Complementary

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



42.8290, 45.0228, 78.3844



56.3849, 57.4015, 36.9633

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.



38.5609, 45.0228, 30.4993



42.8290, 45.0228, 78.3844



47.2565, 45.0228, 30.4239

Square

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



42.8290, 45.0228, 78.3844



52.0918, 45.0228, 48.9187



42.7567, 45.0228, 28.0958



34.6721, 45.0228, 49.1258

Rectangle

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



42.8290, 45.0228, 78.3844



49.8322, 45.0228, 66.7400



42.7567, 45.0228, 28.0958



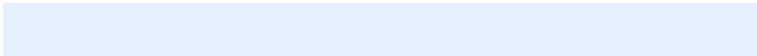
36.4497, 45.0228, 34.7554

Sweetspot

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



42.8305, 45.0246, 78.3854



81.6540, 86.2227, 106.9468



49.5502, 64.7877, 61.1303



17.1015, 18.0642, 22.8354



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.



42.8305, 45.0246, 78.3854



50.6140, 52.8466, 102.1405



38.4099, 34.4063, 76.5689



13.4088, 14.1568, 17.4135



10.1342, 7.7379, 42.0078



0.7888, 0.7091, 2.9405

Inverse Universe

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



50.6121, 41.3190, 49.0258



62.4372, 47.9648, 57.3644



62.1167, 71.7593, 39.4325



13.9378, 13.7928, 15.4428



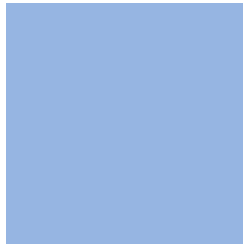
19.0555, 9.6892, 6.9578



1.3644, 0.6890, 0.7119

Previews

White Background



This preview shows how the XYZ color 42.8290, 45.0228, 78.3844 looks on a white background.

Color Contrast Check

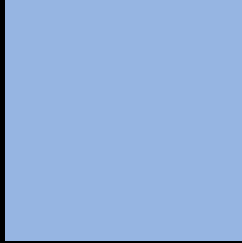
Large Text (above 18pt) WCAG AA × Fail

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 42.8290, 45.0228, 78.3844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

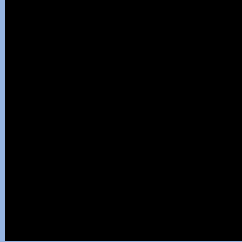
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

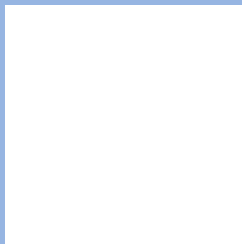
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8290, 45.0228, 78.3844

Background



This preview shows how black text looks on a background with the XYZ color 42.8290, 45.0228, 78.3844.



This preview shows how white text looks on a background with the XYZ color 42.8290, 45.0228,

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

42.8290, 45.0228, 78.3844

Protanopia

44.9778, 44.9875, 76.1249

Deuteranopia

45.7727, 44.7520, 78.8986



Tritanopia

39.4858, 45.2172, 61.2903

Trichromacy



Original Color

42.8290, 45.0228, 78.3844

Protanomaly

44.0729, 44.7997, 76.8453

Deuteranomaly

44.6915, 44.7769, 78.9603

Tritanomaly

40.5032, 44.9954, 66.8718

Monochromacy



Original Color

42.8290, 45.0228, 78.3844

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.7071, 43.9964, 57.9237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8290, 45.0228, 78.3844 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(150, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(150, 181, 226)  
}
```

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(150, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 181, 226) }
```

Border

The CSS property to change the border of an element to XYZ 42.8290, 45.0228, 78.3844 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(150, 181, 226) }
```


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

```
.border{ border-color:rgb(150, 181, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 181, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 181, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 181, 226);  
box-shadow:4px 4px 4px 4px rgb(150, 181,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8290, 45.0228, 78.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 181, 226) }
```

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

```
.background{ background-color: rgb(150,  
181, 226) }
```

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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