

Converting Colors

XYZ(30.7706, 35.2369, 56.1017)

Have a look what the booklet for
XYZ(30.7706, 35.2369, 56.1017)
contains.

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Color

**XYZ(30.7588, 35.2455,
56.2208)**

Conversions

Conversions Part 1

Format	Color
Hex	74A7C2
RGB	116, 167, 194
RGB Percent	45%, 65%, 76%
CMY	0.5451, 0.3451, 0.2392
CMYK	0.40, 0.14, 0.00, 0.24
HSL	201°, 39%, 61%
HSV	201°, 40%, 76%
XYZ	30.7588, 35.2455, 56.2208
YIQ	154.8290, -39.0630, -2.4150

Conversions

Conversions Part 2

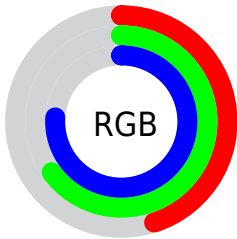
Format	Color
R _Y B	116, 147, 194
Decimal	7645122
CIE Lab	65.94, -9.91, -19.18
CIE LCh	66, 21.585, 242.675
Yxy	35.2455, 0.2517, 0.2884
Android (android.graphics.Color)	4285835202 (0xFF74A7C2)
YUV	154.8290, 19.3113, -34.0530
Hunter-Lab	59.3679, -11.4122, -14.5895

Details

The XYZ color **30.7588, 35.2455, 56.2208** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.2237, 32.3759, 20.9168**, and the grayscale version is **31.0108, 32.6258, 35.5295**.

A 20% lighter version of the original color is **60.3284, 67.8655, 101.1865**, and **12.9143, 15.2117, 27.0664** is the 20% darker color. If you saturate the color by 10%, you get **27.2461, 31.6563, 55.7138**, and if you desaturate by 10%, it is **34.8761, 39.2428, 56.7760**.

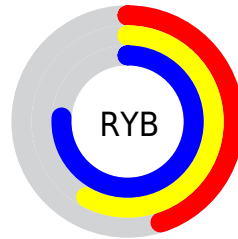
Distribution



Red (45%)

Green (65%)

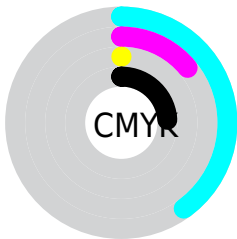
Blue (76%)



Red (45%)

Yellow (58%)

Blue (76%)

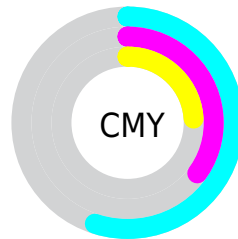


Cyan (40%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (55%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7588, 35.2455, 56.2208 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 30.7588, 35.2455, 56.2208 by changing the saturation by 10% instead.

■ 30.7588, 35.2455,
56.2208

■ 30.7588, 35.2455,
56.2208

297.2723,
325.6506, 427.9347

■ 20.5662, 23.8520,
39.9748

■ 60.2386, 67.8659,
100.8163

■ 12.9179, 15.2239,
27.2053

■ 80.2564, 89.8617,
130.0030

■ 7.4487, 8.9767,
17.4936

■ 104.2800,
116.1603, 164.3402

■ 3.7930, 4.7260,
10.4214

132.6748,
147.1462, 204.2466

■ 1.5857, 2.0874,
5.5700

165.8060,
183.2038, 250.1408

■ 0.3831, 0.6575,
2.5209

204.0391,

■ 0.0000, 0.0000,

224.7175, 302.4411

0.8512

247.7395,
272.0716, 361.5663

■ 0.0000, 0.0000,
0.0000

■ 30.7588, 35.2455,
56.2208

■ 30.7588, 35.2455,
56.2208

■ 27.2461, 31.6563,
55.7138

■ 34.8761, 39.2428,
56.7760

■ 24.2999, 28.4517,
55.2505

■ 39.6265, 43.6620,
57.3786

■ 21.8828, 25.6119,
54.8298

■ 45.0406, 48.5209,
58.0311

■ 19.9509, 23.1127,
54.4492

■ 51.1458, 53.8350,
58.7350

■ 18.4525, 20.9259,
54.1061

■ 57.9680, 59.6190,
59.4919

■ 17.3077, 19.0350,
53.8014

■ 65.5319, 65.8868,
60.3030

■ 73.8606, 72.6517,
61.1698

■ 76.7614, 76.7224,
61.8027

■ 78.5671, 80.3339,
62.4046

Harmonies

Analogous

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



28.5913, 35.2455, 48.6776



30.7588, 35.2455, 56.2208



33.7873, 35.2455, 58.7652

Triad

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



30.7588, 35.2455, 56.2208



40.0172, 35.2455, 37.5612



30.2921, 35.2455, 25.3926

Complementary

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



30.7588, 35.2455, 56.2208



35.2237, 32.3759, 20.9168

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.



33.2139, 35.2455, 23.3508



30.7588, 35.2455, 56.2208



38.9402, 35.2455, 29.6417

Square

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



30.7588, 35.2455, 56.2208



39.2580, 35.2455, 47.0303



36.3990, 35.2455, 24.7743



28.3341, 35.2455, 30.8550

Rectangle

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



30.7588, 35.2455, 56.2208



35.9238, 35.2455, 57.0023



36.3990, 35.2455, 24.7743



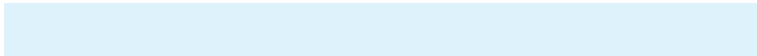
31.1874, 35.2455, 24.3266

Sweetspot

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



30.7599, 35.2469, 56.2216



79.5555, 86.0939, 104.8946



31.3776, 44.2503, 32.4797



17.1269, 18.5910, 22.9357



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.



30.7599, 35.2469, 56.2216



50.2164, 58.2476, 101.0660



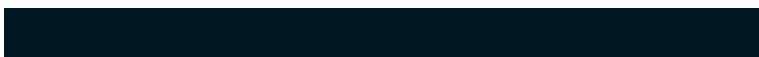
24.7913, 23.3097, 54.2321



10.0656, 10.8224, 12.8433



11.4581, 12.6727, 35.3988



0.5574, 0.6721, 1.5502

Inverse Universe

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



35.4695, 26.7512, 39.8547



60.1572, 41.7643, 66.1946



41.9251, 45.7788, 23.1506



10.3444, 10.1864, 11.9041



17.1795, 8.5616, 14.1232



0.7737, 0.3825, 0.7758

Previews

White Background



This preview shows how the XYZ color 30.7588, 35.2455, 56.2208 looks on a white background.

Color Contrast Check

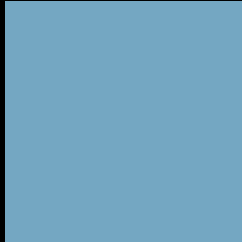
Large Text (above 18pt) WCAG AA × Fail

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 30.7588, 35.2455, 56.2208 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

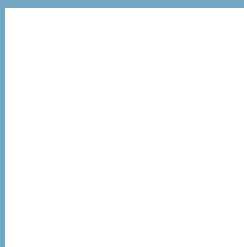
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7588, 35.2455, 56.2208

Background



This preview shows how black text looks on a background with the XYZ color 30.7588, 35.2455, 56.2208.



This preview shows how white text looks on a background with the XYZ color 30.7588, 35.2455,

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

30.7588, 35.2455, 56.2208

Protanopia

34.6304, 34.9546, 52.4986

Deuteranopia

35.7569, 34.9306, 57.0822



Tritanopia

29.5453, 35.3055, 50.0572

Trichromacy



Original Color

30.7588, 35.2455, 56.2208

Protanomaly

32.8544, 34.7829, 53.6974

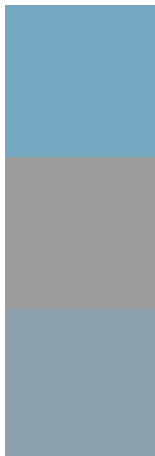
Deuteranomaly

33.5765, 34.8325, 56.5834

Tritanomaly

29.9117, 35.1705, 52.2258

Monochromacy



Original Color

30.7588, 35.2455, 56.2208

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5441, 33.3236, 42.3584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7588, 35.2455, 56.2208 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(116, 167, 194)` looks like.

```
.text, #text, p{  
    color:rgb(116, 167, 194)  
}
```

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(116, 167, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 167, 194) }
```

Border

The CSS property to change the border of an element to XYZ 30.7588, 35.2455, 56.2208 is called "border". The border property can be set on classes, ids or directly on the HTML element.

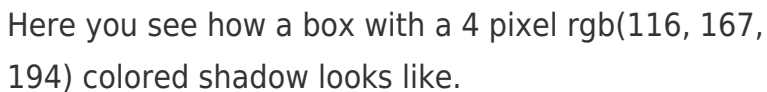
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 167, 194) }
```


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

```
.border{ border-color:rgb(116, 167, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 167, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 167, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 167, 194);  
box-shadow:4px 4px 4px 4px rgb(116, 167,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7588, 35.2455, 56.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 167, 194) }
```

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

```
.background{ background-color: rgb(116,  
167, 194) }
```

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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