

Converting Colors

XYZ(31.7242, 37.9605, 57.8796)

Have a look what the booklet for
XYZ(31.7242, 37.9605, 57.8796)
contains.

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Color

**XYZ(31.7242, 37.9605,
57.8796)**

Conversions

Conversions Part 1

Format	Color
Hex	6EAF C4
RGB	110, 175, 196
RGB Percent	43%, 69%, 77%
CMY	0.5686, 0.3137, 0.2314
CMYK	0.44, 0.11, 0.00, 0.23
HSL	195°, 42%, 60%
HSV	195°, 44%, 77%
XYZ	31.7242, 37.9605, 57.8796
YIQ	157.9590, -45.4810, -7.2490

Conversions

Conversions Part 2

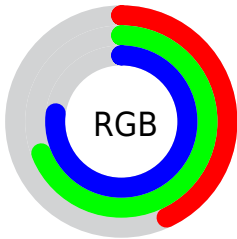
Format	Color
R_{YB}	110, 147, 196
Decimal	7253956
CIE _{Lab}	67.99, -15.20, -17.20
CIE _{LCh}	68, 22.954, 228.535
Yxy	37.9605, 0.2487, 0.2976
Android (android.graphics.Color)	4285444036 (0xFF6EAF _{C4})
YUV	157.9590, 18.7542, -42.0600
Hunter-Lab	61.6121, -15.9111, -12.5697

Details

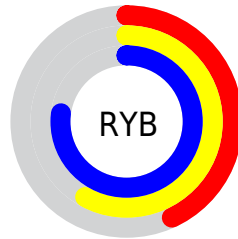
The XYZ color **31.7242, 37.9605, 57.8796** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.6965, 29.0949, 18.5928**, and the grayscale version is **32.4143, 34.1023, 37.1375**.

A 20% lighter version of the original color is **61.8226, 72.2430, 103.6144**, and **13.3633, 16.6563, 28.1019** is the 20% darker color. If you saturate the color by 10%, you get **28.6353, 35.0105, 57.4737**, and if you desaturate by 10%, it is **35.3879, 41.2575, 58.3236**.

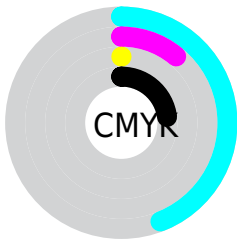
Distribution



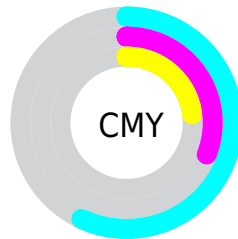
- Red (43%)
- Green (69%)
- Blue (77%)



- Red (43%)
- Yellow (58%)
- Blue (77%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)



- Cyan (57%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7242, 37.9605, 57.8796 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 31.7242, 37.9605, 57.8796 by changing the saturation by 10% instead.

■ 31.7242, 37.9605,
57.8796

■ 31.7242, 37.9605,
57.8796

301.6286,
337.4505, 434.3229

■ 21.3055, 25.9520,
41.2978

■ 61.7466, 72.0476,
103.2606

■ 13.4612, 16.7878,
28.2304

■ 82.0809, 94.8950,
132.8968

■ 7.8261, 10.0833,
18.2589

■ 106.4512,
122.1242, 167.7216

■ 4.0347, 5.4542,
10.9646

135.2227,
154.1195, 208.1535

■ 1.7218, 2.5162,
5.9292

168.7609,
191.2655, 254.6110

■ 0.4699, 0.8847,
2.7340

207.4310,

■ 0.0000, 0.0000,

233.9463, 307.5127

0.9605

251.5985,
282.5465, 367.2772

■ 0.0000, 0.0000,
0.0000

■ 31.7242, 37.9605,
57.8796

■ 31.7242, 37.9605,
57.8796

■ 28.6353, 35.0105,
57.4737

■ 35.3879, 41.2575,
58.3236

■ 26.0812, 32.3840,
57.1013

■ 39.6557, 44.9146,
58.8045

■ 24.0225, 30.0608,
56.7614

■ 44.5593, 48.9494,
59.3249

■ 22.4123, 28.0163,
56.4516

■ 50.1270, 53.3770,
59.8860

■ 21.1942, 26.2209,
56.1693

■ 56.3853, 58.2116,
60.4893

■ 20.5763, 25.2104,
56.0068

■ 63.3593, 63.4666,
61.1361

■ 71.0727, 69.1546,
61.8274

■ 75.0710, 72.9797,
62.3550

■ 76.2948, 75.4273,
62.7630

Harmonies

Analogous

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



29.9569, 37.9605, 47.9006



31.7242, 37.9605, 57.8796



34.7334, 37.9605, 63.7421

Triad

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



31.7242, 37.9605, 57.8796



43.2327, 37.9605, 45.3634



33.9424, 37.9605, 25.3579

Complementary

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



31.7242, 37.9605, 57.8796



33.6965, 29.0949, 18.5928

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.



37.4616, 37.9605, 24.9076



31.7242, 37.9605, 57.8796



42.9861, 37.9605, 35.3941

Square

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



31.7242, 37.9605, 57.8796



41.4712, 37.9605, 55.7606



40.8180, 37.9605, 28.2843



31.1781, 37.9605, 29.6364

Rectangle

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



31.7242, 37.9605, 57.8796



37.1085, 37.9605, 63.9752



40.8180, 37.9605, 28.2843



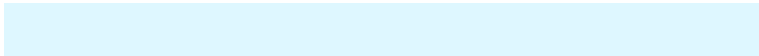
35.0713, 37.9605, 24.7833

Sweetspot

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



31.7254, 37.9620, 57.8805



81.3602, 89.1898, 107.5350



30.2050, 44.4092, 28.1235



16.9623, 18.7242, 22.9701



0.0000, 0.0000, 0.0000



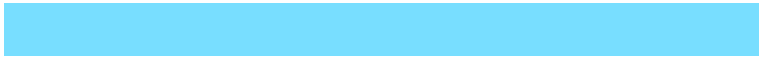
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7254, 37.9620, 57.8805



51.8963, 63.4451, 104.1186



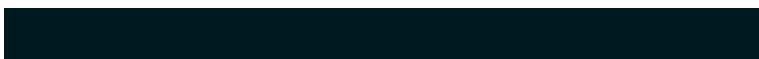
24.7736, 24.0585, 55.5632



10.1535, 10.9983, 12.8726



13.2912, 16.3389, 36.0098



0.6254, 0.8083, 1.5729

Inverse Universe

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



36.0797, 25.9839, 43.6728



61.1233, 39.9308, 73.5934



40.5366, 42.7752, 20.8729



10.3888, 10.2041, 12.1378



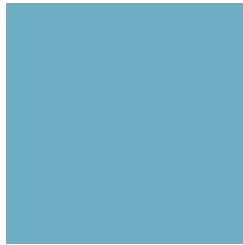
18.1048, 8.9317, 18.9955



0.8081, 0.3962, 0.9568

Previews

White Background



This preview shows how the XYZ color 31.7242, 37.9605, 57.8796 looks on a white background.

Color Contrast Check

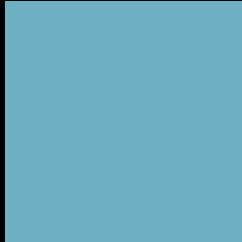
Large Text (above 18pt) WCAG AA × Fail

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 31.7242, 37.9605, 57.8796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

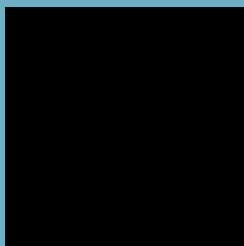
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

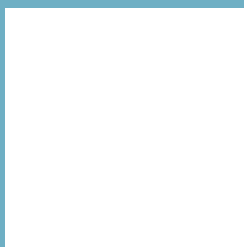
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7242, 37.9605, 57.8796

Background



This preview shows how black text looks on a background with the XYZ color 31.7242, 37.9605, 57.8796.



This preview shows how white text looks on a background with the XYZ color 31.7242, 37.9605,

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

31.7242, 37.9605, 57.8796

Protanopia

37.1587, 37.8021, 53.4822

Deuteranopia

38.3635, 37.5058, 59.2502



Tritanopia

31.0039, 37.9565, 54.4075

Trichromacy



Original Color

31.7242, 37.9605, 57.8796

Protanomaly

34.6724, 37.5618, 55.2919

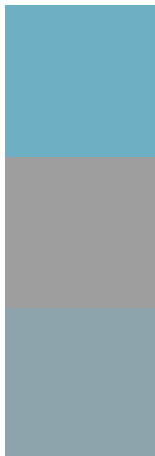
Deuteranomaly

35.3309, 37.2789, 58.7595

Tritanomaly

31.3464, 38.1076, 55.5726

Monochromacy



Original Color

31.7242, 37.9605, 57.8796

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7064, 35.1922, 44.1514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7242, 37.9605, 57.8796 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(110, 175, 196)` looks like.

```
.text, #text, p{  
    color:rgb(110, 175, 196)  
}
```

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(110, 175, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 175, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.7242, 37.9605, 57.8796 is called "border". The border property can be set on classes, ids or directly on the HTML element.

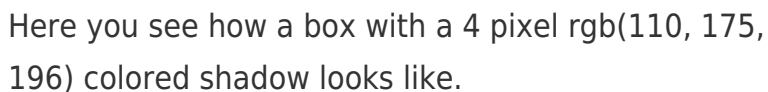
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 175, 196) }
```


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

```
.border{ border-color:rgb(110, 175, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 175, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 175, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 175, 196); box-shadow:4px 4px 4px 4px rgb(110, 175, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7242, 37.9605, 57.8796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 175, 196) }
```

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

```
.background{ background-color: rgb(110,  
175, 196) }
```

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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