

Converting Colors

XYZ(30.7361, 36.1812, 63.9024)

Have a look what the booklet for
XYZ(30.7361, 36.1812, 63.9024)
contains.

XYZ(30.7405, 36.1787, 63.7555)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.7405, 36.1787,
63.7555)**

Conversions

Conversions Part 1

Format	Color
Hex	62ABCE
RGB	98, 171, 206
RGB Percent	38%, 67%, 81%
CMY	0.6157, 0.3294, 0.1922
CMYK	0.52, 0.17, 0.00, 0.19
HSL	199°, 52%, 60%
HSV	199°, 52%, 81%
XYZ	30.7405, 36.1787, 63.7555
YIQ	153.1630, -54.7430, -4.5910

Conversions

Conversions Part 2

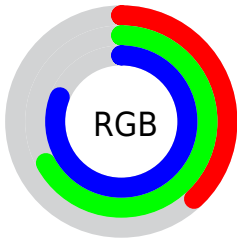
Format	Color
RYP	98, 142, 206
Decimal	6466510
CIELab	66.66, -13.07, -24.81
CIElCh	67, 28.040, 242.226
Yxy	36.1787, 0.2352, 0.2769
Android (android.graphics.Color)	4284656590 (0xFF62ABCE)
YUV	153.1630, 26.0486, -48.3780
Hunter-Lab	60.1487, -14.0334, -20.7412

Details

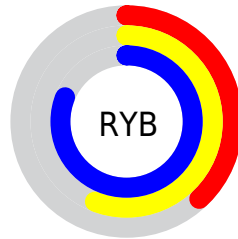
The XYZ color **30.7405, 36.1787, 63.7555** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **36.0468, 30.7800, 15.5979**, and the grayscale version is **30.2575, 31.8333, 34.6664**.

A 20% lighter version of the original color is **58.7639, 68.5813, 104.7481**, and **12.9575, 15.8180, 32.0760** is the 20% darker color. If you saturate the color by 10%, you get **27.5681, 32.7190, 63.2556**, and if you desaturate by 10%, it is **34.5509, 40.0634, 64.3052**.

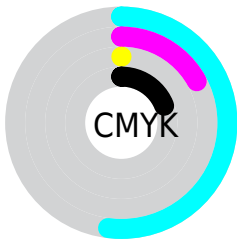
Distribution



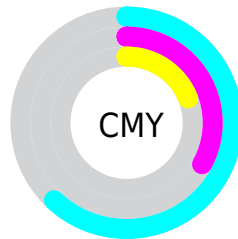
- Red (38%)
- Green (67%)
- Blue (81%)



- Red (38%)
- Yellow (56%)
- Blue (81%)



- Cyan (52%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (62%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7405, 36.1787, 63.7555 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 30.7405, 36.1787, 63.7555 by changing the saturation by 10% instead.

■ 30.7405, 36.1787,
63.7555

■ 30.7405, 36.1787,
63.7555

297.1893,
329.7409, 456.4894

■ 20.5522, 24.5722,
46.0078

■ 60.2099, 69.3078,
111.8548

■ 12.9076, 15.7586,
31.9032

■ 80.2217, 91.5992,
143.0435

■ 7.4415, 9.3535,
21.0234

■ 104.2387,
118.2211, 179.5495

■ 3.7885, 4.9725,
12.9497

■ 132.6263,
149.5578, 221.7915

■ 1.5832, 2.2311,
7.2636

165.7498,
185.9937, 270.1879

■ 0.3814, 0.7369,
3.5466

203.9745,

■ 0.0000, 0.0000,

227.9133, 325.1573

1.3800

247.6659,
275.7009, 387.1183

■ 0.0000, 0.0000,
0.1261

■ 0.0000, 0.0000,
0.0000

■ 30.7405, 36.1787,
63.7555

■ 30.7405, 36.1787,
63.7555

■ 27.5681, 32.7190,
63.2556

■ 34.5509, 40.0634,
64.3052

■ 24.9843, 29.6552,
62.8004

■ 39.0367, 44.3914,
64.9041

■ 22.9380, 26.9602,
62.3881

■ 44.2365, 49.1847,
65.5553

■ 21.3663, 24.6002,
62.0154

■ 50.1847, 54.4624,
66.2605

■ 20.4084, 22.9916,
61.7554

■ 56.9135, 60.2423,
67.0214

■ 64.4531, 66.5412,
67.8399

■ 72.8319, 73.3750,
68.7173

■ 79.1467, 79.2483,
69.5181

■ 80.9807, 82.9162,
70.1295

Harmonies

Analogous

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



27.9656, 36.1787, 53.1386



30.7405, 36.1787, 63.7555



34.7031, 36.1787, 67.4948

Triad

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



30.7405, 36.1787, 63.7555



43.1544, 36.1787, 38.4961



30.2363, 36.1787, 22.8146

Complementary

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



30.7405, 36.1787, 63.7555



36.0468, 30.7800, 15.5979

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.



34.0723, 36.1787, 20.4265



30.7405, 36.1787, 63.7555



41.7225, 36.1787, 28.2483

Square

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



30.7405, 36.1787, 63.7555



42.0823, 36.1787, 51.2514



38.3105, 36.1787, 22.1927



27.6917, 36.1787, 29.5204

Rectangle

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



30.7405, 36.1787, 63.7555



37.5503, 36.1787, 65.0756



38.3105, 36.1787, 22.1927



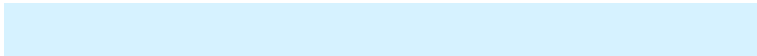
31.4061, 36.1787, 21.5503

Sweetspot

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



30.7417, 36.1800, 63.7564



77.5260, 84.9183, 106.9126



31.2880, 48.4116, 29.5984



16.1629, 17.7940, 22.8327



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.



30.7417, 36.1800, 63.7564



44.0433, 52.3007, 102.3815



22.6337, 19.9641, 61.0537



11.2249, 12.0902, 14.3124



12.6580, 14.3401, 38.0570



0.7201, 0.8739, 1.9857

Inverse Universe

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



37.1730, 24.7987, 41.3568



56.0460, 33.6366, 59.9996



45.2602, 49.2068, 18.6690



11.5269, 11.3395, 13.3091



18.6001, 9.2506, 16.1447



0.9934, 0.4908, 1.0111

Previews

White Background



This preview shows how the XYZ color 30.7405, 36.1787, 63.7555 looks on a white background.

Color Contrast Check

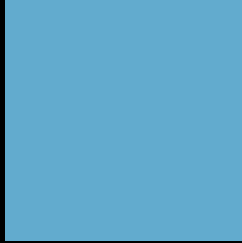
Large Text (above 18pt) WCAG AA × Fail

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 30.7405, 36.1787, 63.7555 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 30.7405, 36.1787, 63.7555

Background



This preview shows how black text looks on a background with the XYZ color 30.7405, 36.1787, 63.7555.

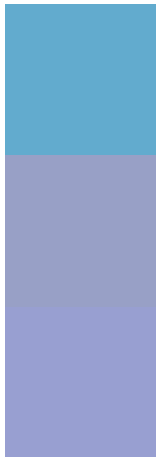


This preview shows how white text looks on a background with the XYZ color 30.7405, 36.1787,

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

30.7405, 36.1787, 63.7555

Protanopia

35.7127, 35.8942, 58.4721

Deuteranopia

36.8557, 36.0751, 65.3423



Tritanopia

28.6268, 36.1783, 53.0513

Trichromacy



Original Color

30.7405, 36.1787, 63.7555

Protanomaly

33.3338, 35.6735, 60.3871

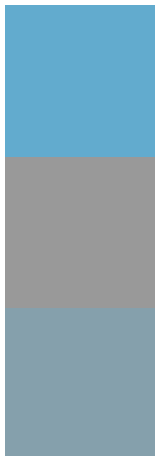
Deuteranomaly

33.9981, 35.6540, 64.7645

Tritanomaly

29.4100, 36.2070, 57.0683

Monochromacy



Original Color

30.7405, 36.1787, 63.7555

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.6901, 33.1067, 43.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7405, 36.1787, 63.7555 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(98, 171, 206)` looks like.

```
.text, #text, p{  
    color:rgb(98, 171, 206)  
}
```

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(98, 171, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 171, 206) }
```

Border

The CSS property to change the border of an element to XYZ 30.7405, 36.1787, 63.7555 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(98, 171, 206) }
```


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

```
.border{ border-color:rgb(98, 171, 206) }
```

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

Here you see how a box with a 4 pixel rgb(98, 171, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 171, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 171, 206);  
box-shadow:4px 4px 4px 4px rgb(98, 171,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7405, 36.1787, 63.7555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 171, 206) }
```

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

```
.background{ background-color: rgb(98, 171,  
206) }
```

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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