

Converting Colors

XYZ(29.9187, 32.2590, 64.3242)

Have a look what the booklet for
XYZ(29.9187, 32.2590, 64.3242)
contains.

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Color

**XYZ(29.9187, 32.2590,
64.3242)**

Conversions

Conversions Part 1

Format	Color
Hex	6D9ED0
RGB	109, 158, 208
RGB Percent	43%, 62%, 82%
CMY	0.5725, 0.3804, 0.1843
CMYK	0.48, 0.24, 0.00, 0.18
HSL	210°, 51%, 62%
HSV	210°, 48%, 82%
XYZ	29.9187, 32.2590, 64.3242
YIQ	149.0490, -45.2540, 5.1620

Conversions

Conversions Part 2

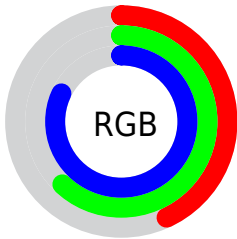
Format	Color
R _Y B	109, 142, 208
Decimal	7184080
CIE Lab	63.56, -2.79, -30.65
CIE LCh	64, 30.777, 264.798
Yxy	32.2590, 0.2365, 0.2550
Android (android.graphics.Color)	4285374160 (0xFF6D9ED0)
YUV	149.0490, 29.0628, -35.1230
Hunter-Lab	56.7970, -5.3671, -27.3897

Details

The XYZ color **29.9187, 32.2590, 64.3242** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.1719, 39.3115, 19.8872**, and the grayscale version is **28.4839, 29.9673, 32.6344**.

A 20% lighter version of the original color is **57.1105, 62.3063, 103.6240**, and **12.4236, 13.5454, 32.0967** is the 20% darker color. If you saturate the color by 10%, you get **25.9404, 27.6613, 63.6470**, and if you desaturate by 10%, it is **34.6578, 37.4776, 65.0823**.

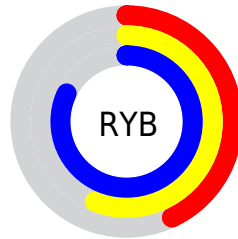
Distribution



Red (43%)

Green (62%)

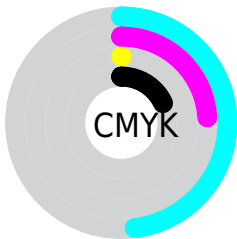
Blue (82%)



Red (43%)

Yellow (56%)

Blue (82%)

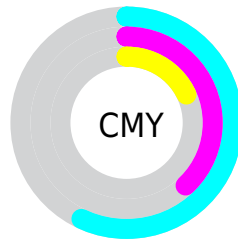


Cyan (48%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (57%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9187, 32.2590, 64.3242 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 29.9187, 32.2590, 64.3242 by changing the saturation by 10% instead.

■ 29.9187, 32.2590,
64.3242

■ 29.9187, 32.2590,
64.3242

293.4419,
312.2974, 458.5990

■ 19.9247, 21.5594,
46.4654

■ 58.9211, 63.2169,
112.6817

■ 12.4482, 13.5335,
32.2620

■ 78.6602, 84.2440,
144.0174

■ 7.1241, 7.7969,
21.2952

■ 102.3783,
109.4824, 180.6827

■ 3.5868, 3.9653,
13.1466

130.4408,
139.3164, 223.0958

■ 1.4712, 1.6542,
7.3977

163.2130,
174.1306, 271.6755

■ 0.3061, 0.3937,
3.6298

201.0604,

■ 0.0000, 0.0000,

214.3092, 326.8402

1.4245

244.3483,
260.2367, 389.0086

■ 0.0000, 0.0000,
0.1608

■ 0.0000, 0.0000,
0.0000

■ 29.9187, 32.2590,
64.3242

■ 29.9187, 32.2590,
64.3242

■ 25.9404, 27.6613,
63.6470

■ 34.6578, 37.4776,
65.0823

■ 22.6724, 23.6509,
63.0452

■ 40.1972, 43.3410,
65.9221

■ 20.0627, 20.1957,
62.5158

■ 46.5774, 49.8760,
66.8472

■ 18.0496, 17.2578,
62.0548

■ 53.8350, 57.1066,
67.8603

■ 16.5482, 14.7870,
61.6571

■ 62.0045, 65.0554,
68.9640

■ 16.2305, 14.2446,
61.5691

■ 71.1182, 73.7441,
70.1608

■ 81.2070, 83.1930,
71.4529

■ 84.3904, 89.3443,
72.4724

■ 87.6082, 95.7801,
73.5450

Harmonies

Analogous

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



26.1441, 32.2590, 58.2029



29.9187, 32.2590, 64.3242



34.2557, 32.2590, 61.2569

Triad

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



29.9187, 32.2590, 64.3242



38.7829, 32.2590, 26.1121



24.3980, 32.2590, 23.1817

Complementary

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



29.9187, 32.2590, 64.3242



41.1719, 39.3115, 19.8872

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.



27.3274, 32.2590, 17.7361



29.9187, 32.2590, 64.3242



35.6708, 32.2590, 19.1306

Square

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



29.9187, 32.2590, 64.3242



39.6396, 32.2590, 37.3124



31.4159, 32.2590, 16.4480



23.1525, 32.2590, 33.0240

Rectangle

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



29.9187, 32.2590, 64.3242



36.8538, 32.2590, 54.7152



31.4159, 32.2590, 16.4480



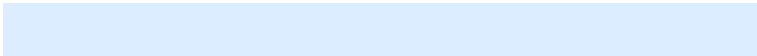
25.2043, 32.2590, 20.8766

Sweetspot

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



29.9198, 32.2602, 64.3250



77.6292, 82.8774, 106.5132



35.0782, 50.8496, 40.5412



16.0959, 17.2175, 22.7249



0.0000, 0.0000, 0.0000



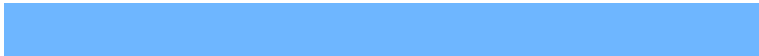
20.3446, 21.4041, 23.3091

Same Dimension

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



29.9198, 32.2602, 64.3250



41.0812, 43.8011, 100.8970



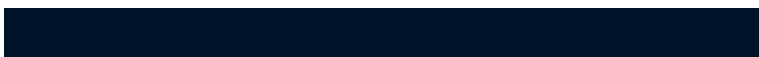
23.1616, 18.7438, 62.0723



11.6400, 12.3703, 15.0179



10.2121, 9.0708, 38.4051



0.6503, 0.6659, 2.1738

Inverse Universe

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



37.6536, 26.8170, 35.5405



55.1795, 35.6970, 48.0164



51.3293, 59.6264, 23.2730



12.0492, 11.9044, 13.5348



17.7853, 8.9870, 9.0417



1.0345, 0.5185, 0.7165

Previews

White Background



This preview shows how the XYZ color 29.9187, 32.2590, 64.3242 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 29.9187, 32.2590, 64.3242 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 29.9187, 32.2590, 64.3242

Background



This preview shows how black text looks on a background with the XYZ color 29.9187, 32.2590, 64.3242.

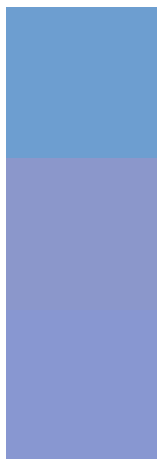


This preview shows how white text looks on a background with the XYZ color 29.9187, 32.2590,

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

29.9187, 32.2590, 64.3242

Protanopia

32.4936, 31.9340, 60.9512

Deuteranopia

32.7286, 31.9709, 64.7676



Tritanopia

26.3569, 32.3779, 46.4554

Trichromacy



Original Color

29.9187, 32.2590, 64.3242

Protanomaly

31.4771, 32.1082, 62.2961

Deuteranomaly

31.6684, 32.1503, 64.8581

Tritanomaly

27.5909, 32.3551, 52.3679

Monochromacy



Original Color

29.9187, 32.2590, 64.3242

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3155, 30.4271, 42.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9187, 32.2590, 64.3242 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(109, 158, 208)` looks like.

```
.text, #text, p{  
    color:rgb(109, 158, 208)  
}
```

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(109, 158, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 158, 208) }
```

Border

The CSS property to change the border of an element to XYZ 29.9187, 32.2590, 64.3242 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(109, 158, 208) }
```


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

```
.border{ border-color:rgb(109, 158, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 158, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 158, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 158, 208);  
box-shadow:4px 4px 4px 4px rgb(109, 158,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9187, 32.2590, 64.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 158, 208) }
```

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

```
.background{ background-color: rgb(109,  
158, 208) }
```

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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