

Converting Colors

XYZ(23.9800, 27.7557, 63.4545)

Have a look what the booklet for
XYZ(23.9800, 27.7557, 63.4545)
contains.

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Color

**XYZ(24.0296, 27.7406,
63.7625)**

Conversions

Conversions Part 1

Format	Color
Hex	3498D0
RGB	52, 152, 208
RGB Percent	20%, 60%, 82%
CMY	0.7960, 0.4039, 0.1843
CMYK	0.75, 0.27, 0.00, 0.18
HSL	202°, 62%, 51%
HSV	202°, 75%, 82%
XYZ	24.0296, 27.7406, 63.7625
YIQ	128.4840, -77.5760, -3.7840

Conversions

Conversions Part 2

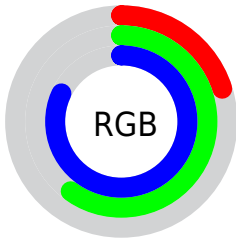
Format	Color
R_{YB}	52, 113, 208
Decimal	3446992
CIE _{Lab}	59.65, -9.93, -36.89
CIE _{LCh}	60, 38.203, 254.928
Yxy	27.7406, 0.2080, 0.2401
Android (android.graphics.Color)	4281637072 (0xFF3498D0)
YUV	128.4840, 39.2014, -67.0765
Hunter-Lab	52.6693, -10.7334, -34.9090

Details

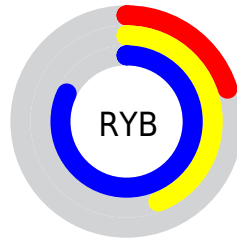
The XYZ color **24.0296, 27.7406, 63.7625** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **31.9965, 24.3856, 6.2707**, and the grayscale version is **20.5747, 21.6462, 23.5727**.

A 20% lighter version of the original color is **47.7291, 55.2846, 102.7631**, and **10.4034, 11.6073, 31.8291** is the 20% darker color. If you saturate the color by 10%, you get **22.0112, 24.9576, 63.3323**, and if you desaturate by 10%, it is **26.5976, 30.9211, 64.2416**.

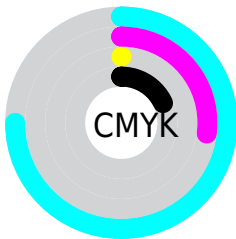
Distribution



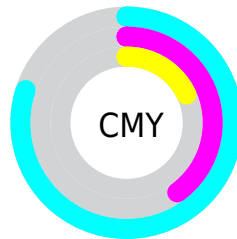
- Red (20%)
- Green (60%)
- Blue (82%)



- Red (20%)
- Yellow (44%)
- Blue (82%)



- Cyan (75%)
- Magenta (27%)
- Yellow (0%)
- Black (18%)



- Cyan (80%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0296, 27.7406, 63.7625 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 24.0296, 27.7406, 63.7625 by changing the saturation by 10% instead.

■ 24.0296, 27.7406,
63.7625

■ 24.0296, 27.7406,
63.7625

265.4078,
291.2253, 456.5154

■ 15.4804, 18.1302,
46.0134

■ 49.5328, 56.0700,
111.8650

■ 9.2458, 11.0435,
31.9076

■ 67.2176, 75.5579,
143.0555

■ 4.9602, 6.0961,
21.0267

■ 88.6783, 99.1070,
179.5635

■ 2.2585, 2.9036,
12.9521

■ 114.2802,
127.1017, 221.8075

■ 0.7733, 1.0816,
7.2652

■ 144.3888,
159.9266, 270.2062

■ 0.0000, 0.0000,
3.5476

179.3693,

■ 0.0000, 0.0000,

197.9658, 325.1781

1.3806

219.5872,
241.6040, 387.1416

■ 0.0000, 0.0000,
0.1265

■ 0.0000, 0.0000,
0.0000

■ 24.0296, 27.7406,
63.7625

■ 24.0296, 27.7406,
63.7625

■ 22.0112, 24.9576,
63.3323

■ 26.5976, 30.9211,
64.2416

■ 20.4709, 22.5318,
62.9452

■ 29.7687, 34.5273,
64.7706

■ 19.8180, 21.4196,
62.7650

■ 33.5925, 38.5873,
65.3527

■ 38.1126, 43.1254,
65.9904

■ 43.3683, 48.1638,
66.6859

■ 49.3960, 53.7230,
67.4412

■ 56.2295, 59.8223,
68.2583

■ 63.9005, 66.4797,
69.1390

■ 72.4391, 73.7124,
70.0851

Harmonies

Analogous

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



20.3348, 27.7406, 53.0919



24.0296, 27.7406, 63.7625



28.8266, 27.7406, 63.7908

Triad

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



24.0296, 27.7406, 63.7625



36.3726, 27.7406, 23.8708



20.3486, 27.7406, 15.0418

Complementary

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



24.0296, 27.7406, 63.7625



31.9965, 24.3856, 6.2707

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.



24.0507, 27.7406, 11.1334



24.0296, 27.7406, 63.7625



33.4868, 27.7406, 15.0714

Square

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



24.0296, 27.7406, 63.7625



36.3652, 27.7406, 37.6448



28.8504, 27.7406, 11.1423



18.3925, 27.7406, 23.8159

Rectangle

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



24.0296, 27.7406, 63.7625



32.0362, 27.7406, 57.6072



28.8504, 27.7406, 11.1423



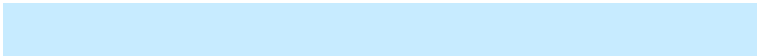
21.4088, 27.7406, 13.2524

Sweetspot

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



24.0306, 27.7415, 63.7632



71.2450, 78.6852, 106.0405



26.6062, 46.8959, 21.4516



14.7148, 16.3422, 22.6288



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.



24.0306, 27.7415, 63.7632



33.3324, 37.1712, 100.0257



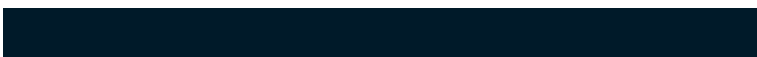
15.3461, 10.3725, 60.8684



11.7865, 12.6633, 15.0667



12.4459, 13.5384, 39.1497



0.7695, 0.9043, 2.2136

Inverse Universe

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



32.9089, 18.1341, 31.4723



49.1036, 24.9789, 41.5713



43.8987, 48.1899, 10.2381



12.1231, 11.9340, 13.9243



18.9129, 9.4380, 14.9791



1.0947, 0.5426, 1.0333

Previews

White Background



This preview shows how the XYZ color 24.0296, 27.7406, 63.7625 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0296, 27.7406, 63.7625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

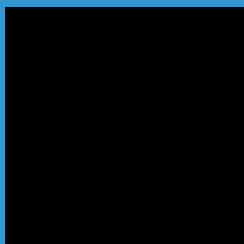
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

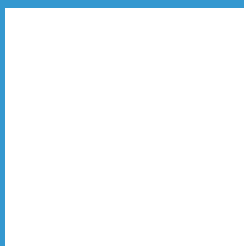
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0296, 27.7406, 63.7625

Background



This preview shows how black text looks on a background with the XYZ color 24.0296, 27.7406, 63.7625.

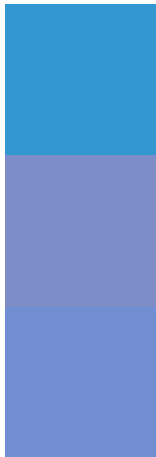


This preview shows how white text looks on a background with the XYZ color 24.0296, 27.7406,

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

24.0296, 27.7406, 63.7625

Protanopia

28.2911, 27.5332, 57.8562

Deuteranopia

28.2453, 27.5766, 64.8069



Tritanopia

19.8445, 27.7748, 43.3449

Trichromacy



Original Color

24.0296, 27.7406, 63.7625

Protanomaly

25.8231, 27.1117, 59.7492

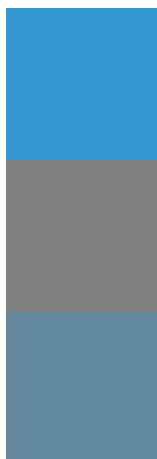
Deuteranomaly

26.1019, 27.3854, 64.2318

Tritanomaly

20.9140, 27.4182, 50.0889

Monochromacy



Original Color

24.0296, 27.7406, 63.7625

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2870, 23.0350, 35.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0296, 27.7406, 63.7625 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(52, 152, 208)` looks like.

```
.text, #text, p{  
    color:rgb(52, 152, 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(52, 152, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 152, 208) }
```

Border

The CSS property to change the border of an element to XYZ 24.0296, 27.7406, 63.7625 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(52, 152, 208) }
```


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

```
.border{ border-color:rgb(52, 152, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 152, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 152, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 152, 208);  
box-shadow:4px 4px 4px 4px rgb(52, 152,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0296, 27.7406, 63.7625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 152, 208) }
```

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

```
.background{ background-color: rgb(52, 152,  
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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