

Converting Colors

XYZ(23.3919, 27.6785, 61.2381)

Have a look what the booklet for
XYZ(23.3919, 27.6785, 61.2381)
contains.

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Color

**XYZ(23.4170, 27.7229,
61.2436)**

Conversions

Conversions Part 1

Format	Color
Hex	2E99CC
RGB	46, 153, 204
RGB Percent	18%, 60%, 80%
CMY	0.8196, 0.4000, 0.2000
CMYK	0.77, 0.25, 0.00, 0.20
HSL	199°, 63%, 49%
HSV	199°, 77%, 80%
XYZ	23.4170, 27.7229, 61.2436
YIQ	126.8210, -80.1430, -6.8230

Conversions

Conversions Part 2

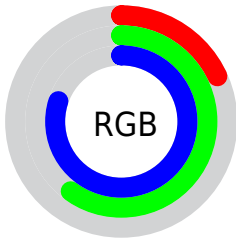
Format	Color
R_{YB}	46, 110, 204
Decimal	3054028
CIE _{Lab}	59.64, -12.57, -34.68
CIE _{LCh}	60, 36.893, 250.072
Yxy	27.7229, 0.2084, 0.2467
Android (android.graphics.Color)	4281244108 (0xFF2E99CC)
YUV	126.8210, 38.0492, -70.8800
Hunter-Lab	52.6525, -12.7548, -32.1073

Details

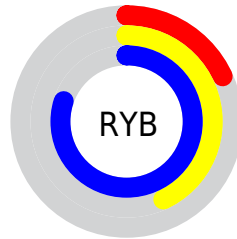
The XYZ color **23.4170, 27.7229, 61.2436** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **29.6712, 21.5863, 5.1888**, and the grayscale version is **20.0064, 21.0483, 22.9216**.

A 20% lighter version of the original color is **47.4331, 55.4905, 102.8185**, and **10.2564, 11.7048, 30.5728** is the 20% darker color. If you saturate the color by 10%, you get **21.6586, 25.2607, 60.8616**, and if you desaturate by 10%, it is **25.6732, 30.5309, 61.6673**.

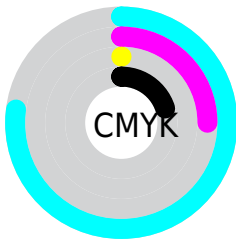
Distribution



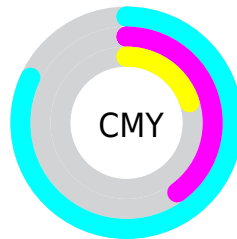
- Red (18%)
- Green (60%)
- Blue (80%)



- Red (18%)
- Yellow (43%)
- Blue (80%)



- Cyan (77%)
- Magenta (25%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4170, 27.7229, 61.2436 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 23.4170, 27.7229, 61.2436 by changing the saturation by 10% instead.

■ 23.4170, 27.7229,
61.2436

■ 23.4170, 27.7229,
61.2436

262.3551,
291.1404, 447.0979

■ 15.0241, 18.1169,
43.9900

■ 48.5388, 56.0417,
108.1925

■ 8.9227, 11.0339,
30.3255

■ 65.9984, 75.5233,
138.7249

■ 4.7475, 6.0897,
19.8316

■ 87.2109, 99.0656,
174.5206

■ 2.1331, 2.8997,
12.0898

■ 112.5417,
127.0529, 215.9982

■ 0.7071, 1.0796,
6.6816

■ 142.3562,
159.8696, 263.5761

■ 0.0000, 0.0000,
3.1884

177.0197,

■ 0.0000, 0.0000,

197.9002, 317.6731

1.1916

216.8976,
241.5290, 378.7074

■ 0.0000, 0.0000,
0.0000

■ 23.4170, 27.7229,
61.2436

■ 23.4170, 27.7229,
61.2436

■ 21.6586, 25.2607,
60.8616

■ 25.6732, 30.5309,
61.6673

■ 20.3179, 23.1002,
60.5152

■ 28.4797, 33.7120,
62.1333

■ 20.0091, 22.5794,
60.4310

■ 31.8853, 37.2928,
62.6450

■ 35.9320, 41.2966,
63.2045

■ 40.6579, 45.7442,
63.8139

■ 46.0982, 50.6548,
64.4750

■ 52.2851, 56.0466,
65.1897

■ 59.2492, 61.9364,
65.9595

■ 67.0190, 68.3401,
66.7860

Harmonies

Analogous

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



20.0802, 27.7229, 49.8634



23.4170, 27.7229, 61.2436



27.9454, 27.7229, 63.0874

Triad

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



23.4170, 27.7229, 61.2436



36.1749, 27.7229, 25.9231



21.0006, 27.7229, 14.5191

Complementary

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



23.4170, 27.7229, 61.2436



29.6712, 21.5863, 5.1888

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.



24.8161, 27.7229, 11.3353



23.4170, 27.7229, 61.2436



33.8049, 27.7229, 16.5147

Square

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



23.4170, 27.7229, 61.2436



35.6858, 27.7229, 39.7862



29.5178, 27.7229, 11.9386



18.8031, 27.7229, 22.2687

Rectangle

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



23.4170, 27.7229, 61.2436



31.0911, 27.7229, 58.2264



29.5178, 27.7229, 11.9386



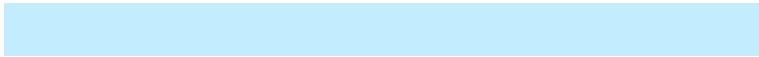
22.1168, 27.7229, 13.0001

Sweetspot

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



23.4180, 27.7239, 61.2443



70.9210, 79.0326, 106.1246



24.8336, 44.6126, 18.3787



14.4997, 16.2956, 22.6311



0.0000, 0.0000, 0.0000



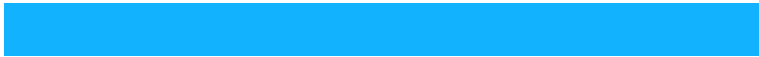
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4180, 27.7239, 61.2443



34.3062, 39.3663, 100.3981



14.5410, 9.9698, 58.2853



11.2261, 12.0927, 14.3128



12.6813, 14.3866, 38.0648



0.7211, 0.8761, 1.9860

Inverse Universe

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



31.6295, 17.0924, 31.7699



49.5348, 24.9201, 44.5547



40.7325, 43.7089, 8.8759



11.5275, 11.3397, 13.3124



18.6118, 9.2553, 16.2065



0.9939, 0.4910, 1.0140

Previews

White Background



This preview shows how the XYZ color 23.4170, 27.7229, 61.2436 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 23.4170, 27.7229, 61.2436 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

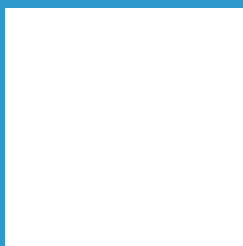
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4170, 27.7229, 61.2436

Background



This preview shows how black text looks on a background with the XYZ color 23.4170, 27.7229, 61.2436.

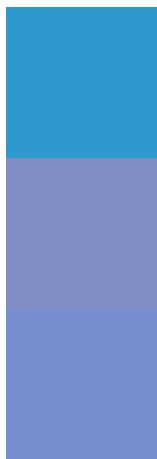


This preview shows how white text looks on a background with the XYZ color 23.4170, 27.7229,

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

23.4170, 27.7229, 61.2436

Protanopia

28.0149, 27.4568, 54.8621

Deuteranopia

28.2716, 27.6329, 62.8751



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

23.4170, 27.7229, 61.2436

Protanomaly

25.3554, 26.9247, 57.2867

Deuteranomaly

25.7338, 27.2381, 62.2937

Tritanomaly

20.8354, 27.6520, 49.0390

Monochromacy



Original Color

23.4170, 27.7229, 61.2436

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7576, 22.5715, 34.3258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4170, 27.7229, 61.2436 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(46, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(46, 153, 204)  
}
```

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(46, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 153, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.4170, 27.7229, 61.2436 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(46, 153, 204) }
```


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

```
.border{ border-color:rgb(46, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(46, 153,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4170, 27.7229, 61.2436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 153, 204) }
```

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

```
.background{ background-color: rgb(46, 153,  
204) }
```

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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