

Converting Colors

XYZ(23.6595, 26.4810, 67.4835)

Have a look what the booklet for
XYZ(23.6595, 26.4810, 67.4835)
contains.

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Color

**XYZ(23.6823, 26.5271,
67.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	2A94D6
RGB	42, 148, 214
RGB Percent	16%, 58%, 84%
CMY	0.8352, 0.4196, 0.1608
CMYK	0.80, 0.31, 0.00, 0.16
HSL	203°, 68%, 50%
HSV	203°, 80%, 84%
XYZ	23.6823, 26.5271, 67.4904
YIQ	123.8300, -84.3620, -1.9460

Conversions

Conversions Part 2

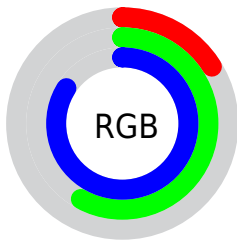
Format	Color
R_{YB}	42, 108, 214
Decimal	2790614
CIE _{Lab}	58.53, -6.64, -42.02
CIE _{LCh}	59, 42.540, 261.022
Yxy	26.5271, 0.2012, 0.2254
Android (android.graphics.Color)	4280980694 (0xFF2A94D6)
YUV	123.8300, 44.4538, -71.7649
Hunter-Lab	51.5045, -8.0566, -41.6393

Details

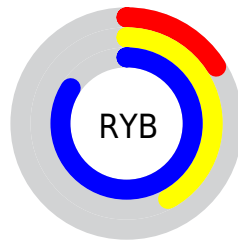
The XYZ color **23.6823, 26.5271, 67.4904** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **33.5139, 25.1913, 5.2878**, and the grayscale version is **18.9803, 19.9687, 21.7459**.

A 20% lighter version of the original color is **46.2408, 53.1059, 102.4211**, and **10.6257, 11.2386, 34.4101** is the 20% darker color. If you saturate the color by 10%, you get **21.7862, 23.7051, 67.0462**, and if you desaturate by 10%, it is **26.1385, 29.7743, 67.9883**.

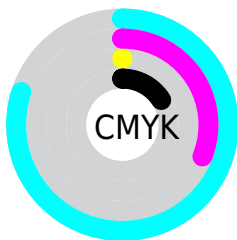
Distribution



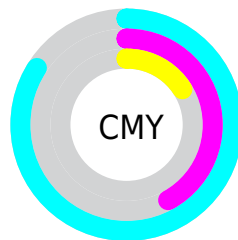
- Red (16%)
- Green (58%)
- Blue (84%)



- Red (16%)
- Yellow (42%)
- Blue (84%)



- Cyan (80%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6823, 26.5271, 67.4904 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 23.6823, 26.5271, 67.4904 by changing the saturation by 10% instead.

■ 23.6823, 26.5271,
67.4904

■ 23.6823, 26.5271,
67.4904

263.6807,
285.3601, 470.2373

■ 15.2216, 17.2184,
49.0192

■ 48.9697, 54.1241,
117.2701

■ 9.0624, 10.3903,
34.2690

■ 66.5271, 73.1811,
149.4157

■ 4.8393, 5.6585,
22.8213

■ 87.8475, 96.2564,
186.9565

■ 2.1871, 2.6386,
14.2575

■ 113.2961,
123.7343, 230.3110

■ 0.7359, 0.9461,
8.1592

■ 143.2384,
155.9992, 279.8978

■ 0.0000, 0.0000,
4.1078

178.0397,

■ 0.0000, 0.0000,

193.4356, 336.1354

1.6846

218.0653,
236.4277, 399.4424

■ 0.0000, 0.0000,
0.3502

■ 0.0000, 0.0000,
0.0000

■ 23.6823, 26.5271,
67.4904

■ 23.6823, 26.5271,
67.4904

■ 21.7862, 23.7051,
67.0462

■ 26.1385, 29.7743,
67.9883

■ 20.3726, 21.3249,
66.6613

■ 29.2190, 33.4814,
68.5415

■ 32.9813, 37.6810,
69.1538

■ 37.4753, 42.4013,
69.8280

■ 42.7458, 47.6681,
70.5668

■ 48.8336, 53.5047,
71.3725

■ 55.7769, 59.9333,
72.2474

■ 63.6110, 66.9742,
73.1936

■ 72.3692, 74.6471,
74.2130

Harmonies

Analogous

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



19.4233, 26.5271, 57.4131



23.6823, 26.5271, 67.4904



28.9795, 26.5271, 64.7844

Triad

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



23.6823, 26.5271, 67.4904



35.7655, 26.5271, 19.7672



18.2011, 26.5271, 14.3368

Complementary

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



23.6823, 26.5271, 67.4904



33.5139, 25.1913, 5.2878

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.



21.7882, 26.5271, 9.5297



23.6823, 26.5271, 67.4904



32.0526, 26.5271, 11.8308

Square

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



23.6823, 26.5271, 67.4904



36.4566, 26.5271, 33.5950



26.8087, 26.5271, 8.8051



16.5577, 26.5271, 24.6345

Rectangle

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



23.6823, 26.5271, 67.4904



32.3749, 26.5271, 56.3794



26.8087, 26.5271, 8.8051



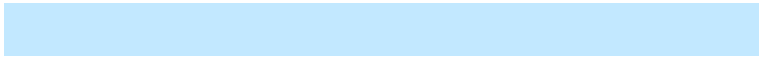
19.1942, 26.5271, 12.1974

Sweetspot

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



23.6833, 26.5280, 67.4911



68.9671, 76.1034, 105.6622



27.7059, 49.6676, 22.2978



14.0710, 15.6252, 22.5243



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.



23.6833, 26.5280, 67.4911



30.9329, 32.7963, 99.3077



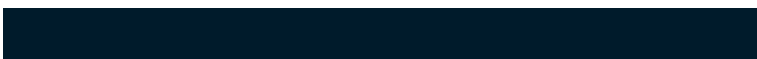
14.8200, 8.8014, 64.5367



12.3734, 13.2702, 15.8468



12.4173, 13.0963, 40.3265



0.8279, 0.9478, 2.4586

Inverse Universe

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



33.9057, 18.0913, 29.7227



47.7890, 24.0567, 35.8704



47.4274, 53.0185, 9.9257



12.7417, 12.5482, 14.5798



19.3265, 9.6669, 14.2894



1.2055, 0.5990, 1.0718

Previews

White Background



This preview shows how the XYZ color 23.6823, 26.5271, 67.4904 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 23.6823, 26.5271, 67.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

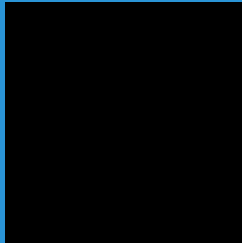
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

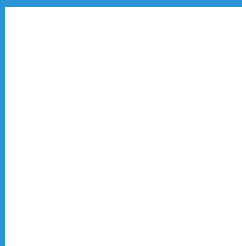
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6823, 26.5271, 67.4904

Background



This preview shows how black text looks on a background with the XYZ color 23.6823, 26.5271, 67.4904.

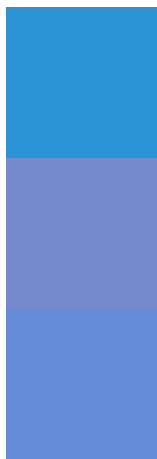


This preview shows how white text looks on a background with the XYZ color 23.6823, 26.5271,

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

23.6823, 26.5271, 67.4904

Protanopia

27.4440, 26.3666, 61.4004

Deuteranopia

27.1396, 26.4807, 68.6466



Tritanopia

18.6964, 26.2327, 40.6372

Trichromacy



Original Color

23.6823, 26.5271, 67.4904

Protanomaly

25.2746, 26.0737, 63.3751

Deuteranomaly

25.3965, 26.2567, 68.0195

Tritanomaly

20.0770, 26.0187, 49.3113

Monochromacy



Original Color

23.6823, 26.5271, 67.4904

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0894, 21.5891, 35.0593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6823, 26.5271, 67.4904 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(42, 148, 214)` looks like.

```
.text, #text, p{  
    color:rgb(42, 148, 214)  
}
```

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(42, 148, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 148, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.6823, 26.5271, 67.4904 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(42, 148, 214) }
```


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

```
.border{ border-color:rgb(42, 148, 214) }
```

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

Here you see how a box with a 4 pixel rgb(42, 148, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 148, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 148, 214);  
box-shadow:4px 4px 4px 4px rgb(42, 148,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6823, 26.5271, 67.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 148, 214) }
```

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

```
.background{ background-color: rgb(42, 148,  
214) }
```

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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