

Converting Colors

XYZ(23.6541, 24.9167, 67.8527)

Have a look what the booklet for
XYZ(23.6541, 24.9167, 67.8527)
contains.

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Color

**XYZ(23.6541, 24.9167,
67.8527)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8DD7
RGB	60, 141, 215
RGB Percent	24%, 55%, 84%
CMY	0.7647, 0.4471, 0.1569
CMYK	0.72, 0.34, 0.00, 0.16
HSL	209°, 66%, 54%
HSV	209°, 72%, 84%
XYZ	23.6541, 24.9167, 67.8527
YIQ	125.2170, -72.0300, 5.8420

Conversions

Conversions Part 2

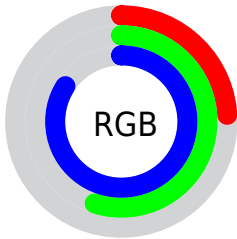
Format	Color
R _Y B	60, 113, 215
Decimal	3968471
CIE Lab	56.99, -0.13, -44.98
CIE LCh	57, 44.979, 269.839
Yxy	24.9167, 0.2032, 0.2140
Android (android.graphics.Color)	4282158551 (0xFF3C8DD7)
YUV	125.2170, 44.2630, -57.1953
Hunter-Lab	49.9166, -2.7679, -45.6525

Details

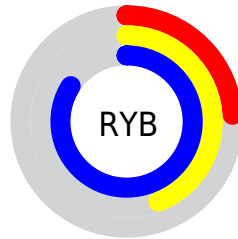
The XYZ color **23.6541, 24.9167, 67.8527** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **37.3669, 31.8265, 8.4501**, and the grayscale version is **19.4403, 20.4527, 22.2730**.

A 20% lighter version of the original color is **45.7992, 50.1635, 101.8764**, and **10.0862, 10.0202, 34.6602** is the 20% darker color. If you saturate the color by 10%, you get **21.1651, 21.4901, 67.3230**, and if you desaturate by 10%, it is **26.8127, 28.8974, 68.4551**.

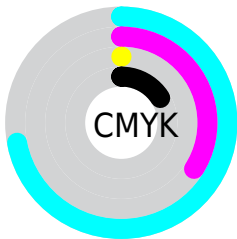
Distribution



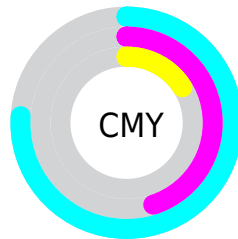
- Red (24%)
- Green (55%)
- Blue (84%)



- Red (24%)
- Yellow (44%)
- Blue (84%)



- Cyan (72%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)



- Cyan (76%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6541, 24.9167, 67.8527 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 23.6541, 24.9167, 67.8527 by changing the saturation by 10% instead.

■ 23.6541, 24.9167,
67.8527

■ 23.6541, 24.9167,
67.8527

263.5401,
277.4229, 471.5578

■ 15.2006, 16.0150,
49.3120

■ 48.9239, 51.5221,
117.7936

■ 9.0475, 9.5348,
34.4997

■ 66.4710, 69.9945,
150.0309

■ 4.8295, 5.0916,
22.9973

■ 87.7799, 92.4260,
187.6707

■ 2.1813, 2.3011,
14.3862

■ 113.2160,
119.2009, 231.1317

■ 0.7329, 0.7743,
8.2480

■ 143.1448,
150.7037, 280.8324

■ 0.0000, 0.0000,
4.1640

177.9315,

■ 0.0000, 0.0000,

187.3186, 337.1913

1.7157

217.9414,
229.4302, 400.6269

■ 0.0000, 0.0000,
0.3715

■ 0.0000, 0.0000,
0.0000

■ 23.6541, 24.9167,
67.8527

■ 23.6541, 24.9167,
67.8527

■ 21.1651, 21.4901,
67.3230

■ 26.8127, 28.8974,
68.4551

■ 19.2705, 18.5722,
66.8597

■ 30.6986, 33.4665,
69.1322

■ 18.0987, 16.5720,
66.5353

■ 35.3659, 38.6573,
69.8882

■ 40.8625, 44.4996,
70.7261

■ 47.2319, 51.0206,
71.6491

■ 54.5146, 58.2460,
72.6599

■ 62.7483, 66.1998,
73.7612

■ 71.9686, 74.9048,
74.9554

■ 82.2090, 84.3825,
76.2451

Harmonies

Analogous

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



18.9373, 24.9167, 60.8526



23.6541, 24.9167, 67.8527



29.1043, 24.9167, 60.9925

Triad

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



23.6541, 24.9167, 67.8527



33.6305, 24.9167, 15.0778



15.9415, 24.9167, 14.9825

Complementary

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



23.6541, 24.9167, 67.8527



37.3669, 31.8265, 8.4501

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.



18.9798, 24.9167, 8.9120



23.6541, 24.9167, 67.8527



29.1609, 24.9167, 8.9509

Square

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



23.6541, 24.9167, 67.8527



35.3605, 24.9167, 27.2117



23.7111, 24.9167, 7.1993



14.9086, 24.9167, 27.0485

Rectangle

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



23.6541, 24.9167, 67.8527



32.3237, 24.9167, 50.5465



23.7111, 24.9167, 7.1993



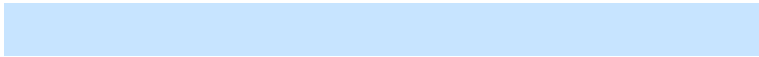
16.7375, 24.9167, 12.3619

Sweetspot

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



23.6551, 24.9175, 67.8533



69.3793, 74.9538, 105.4186



30.3529, 51.2375, 30.2418



14.2736, 15.4598, 22.4817



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.



23.6551, 24.9175, 67.8533



29.4419, 29.0657, 98.6662



16.0304, 9.6683, 65.3118



12.2742, 13.0717, 15.8137



10.9320, 10.1258, 39.8314



0.7420, 0.7761, 2.4300

Inverse Universe

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



34.4488, 19.6032, 27.1680



47.2191, 24.5285, 30.7125



51.8462, 60.7850, 13.2765



12.6916, 12.5281, 14.3161



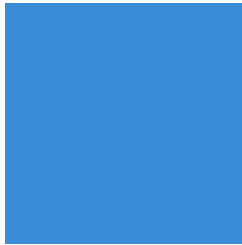
18.5768, 9.3670, 10.3415



1.1622, 0.5817, 0.8435

Previews

White Background



This preview shows how the XYZ color 23.6541, 24.9167, 67.8527 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 23.6541, 24.9167, 67.8527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

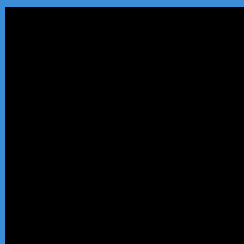
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

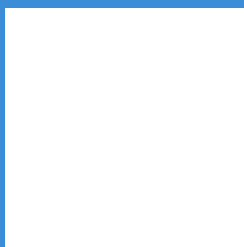
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6541, 24.9167, 67.8527

Background



This preview shows how black text looks on a background with the XYZ color 23.6541, 24.9167, 67.8527.



This preview shows how white text looks on a background with the XYZ color 23.6541, 24.9167,

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

23.6541, 24.9167, 67.8527

Protanopia

26.0794, 24.5803, 63.0445

Deuteranopia

25.5132, 24.7903, 68.4061



Tritanopia

17.6775, 24.7776, 38.5012

Trichromacy



Original Color

23.6541, 24.9167, 67.8527

Protanomaly

24.8764, 24.5356, 65.0527

Deuteranomaly

24.7914, 24.8403, 68.4538

Tritanomaly

19.2081, 24.4154, 47.9562

Monochromacy



Original Color

23.6541, 24.9167, 67.8527

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6547, 21.4679, 35.4556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6541, 24.9167, 67.8527 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(60, 141, 215)` looks like.

```
.text, #text, p{  
    color:rgb(60, 141, 215)  
}
```

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(60, 141, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 141, 215) }
```

Border

The CSS property to change the border of an element to XYZ 23.6541, 24.9167, 67.8527 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(60, 141, 215) }
```


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

```
.border{ border-color:rgb(60, 141, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 141, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 141, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 141, 215);  
box-shadow:4px 4px 4px 4px rgb(60, 141,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6541, 24.9167, 67.8527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 141, 215) }
```

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

```
.background{ background-color: rgb(60, 141,  
215) }
```

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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