

Converting Colors

XYZ(15.1297, 9.1685, 65.3786)

Have a look what the booklet for
XYZ(15.1297, 9.1685, 65.3786)
contains.

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Color

**XYZ(15.1109, 9.1791,
65.2653)**

Conversions

Conversions Part 1

Format	Color
Hex	2A41D7
RGB	42, 65, 215
RGB Percent	16%, 25%, 84%
CMY	0.8352, 0.7451, 0.1569
CMYK	0.80, 0.70, 0.00, 0.16
HSL	232°, 68%, 50%
HSV	232°, 80%, 84%
XYZ	15.1109, 9.1791, 65.2653
YIQ	75.2230, -61.8580, 41.7740

Conversions

Conversions Part 2

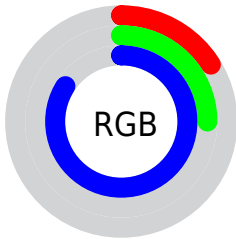
Format	Color
R_{YB}	42, 62, 215
Decimal	2769367
CIE _{Lab}	36.33, 45.32, -78.41
CIE _{LCh}	36, 90.566, 300.026
Yxy	9.1791, 0.1687, 0.1025
Android (android.graphics.Color)	4280959447 (0xFF2A41D7)
YUV	75.2230, 68.9101, -29.1366
Hunter-Lab	30.2970, 36.0086, -106.5135

Details

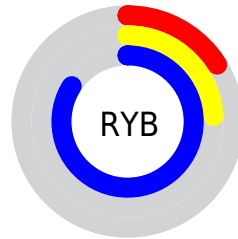
The XYZ color **15.1109, 9.1791, 65.2653** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **47.2966, 52.3222, 9.7984**, and the grayscale version is **6.6165, 6.9611, 7.5806**.

A 20% lighter version of the original color is **31.4263, 22.8818, 97.3680**, and **6.5449, 3.0770, 33.0499** is the 20% darker color. If you saturate the color by 10%, you get **13.5558, 7.0423, 64.9351**, and if you desaturate by 10%, it is **17.4914, 12.2653, 65.7358**.

Distribution



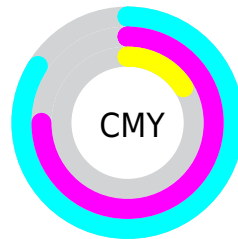
- Red (16%)
- Green (25%)
- Blue (84%)



- Red (16%)
- Yellow (24%)
- Blue (84%)



- Cyan (80%)
- Magenta (70%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (75%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1109, 9.1791, 65.2653 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 15.1109, 9.1791, 65.2653 by changing the saturation by 10% instead.

■ 15.1109, 9.1791,
65.2653

■ 15.1109, 9.1791,
65.2653

217.4116,
184.7084, 462.0770

■ 8.9841, 4.8582,
47.2235

■ 34.6177, 24.2396,
114.0481

■ 4.7878, 2.1643,
32.8568

■ 48.7283, 35.7479,
145.6262

■ 2.1568, 0.7004,
21.7465

■ 66.2310, 50.4209,
182.5536

■ 0.7198, 0.0000,
13.4742

■ 87.4910, 68.6428,
225.2486

■ 0.0000, 0.0000,
7.6214

■ 112.8737, 90.7981,
274.1299

■ 0.0000, 0.0000,
3.7694

■ 142.7445,

■ 0.0000, 0.0000,

117.2712, 329.6161

1.4997

177.4686,
148.4465, 392.1256

■ 0.0000, 0.0000,
0.2177

■ 0.0000, 0.0000,
0.0000

■ 15.1109, 9.1791,
65.2653

■ 15.1109, 9.1791,
65.2653

■ 13.5558, 7.0423,
64.9351

■ 17.4914, 12.2653,
65.7358

■ 12.6945, 5.7638,
64.7337

■ 20.7931, 16.3973,
66.3594

■ 25.1000, 21.6597,
67.1481

■ 30.4862, 28.1284,
68.1128

■ 37.0186, 35.8723,
69.2632

■ 44.7586, 44.9552,
70.6085

■ 53.7634, 55.4368,
72.1570

■ 64.0863, 67.3729,
73.9168

■ 75.7776, 80.8164,
75.8955

Harmonies

Analogous

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



8.7292, 9.1791, 80.4190



15.1109, 9.1791, 65.2653



21.3624, 9.1791, 33.8348

Triad

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



15.1109, 9.1791, 65.2653



15.0990, 9.1791, 0.0000



1.8700, 9.1791, 10.0082

Complementary

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



15.1109, 9.1791, 65.2653



47.2966, 52.3222, 9.7984

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.



2.4200, 9.1791, 1.2379



15.1109, 9.1791, 65.2653



8.7197, 9.1791, 0.0000

Square

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



15.1109, 9.1791, 65.2653



21.3537, 9.1791, 1.2320



4.4514, 9.1791, 0.0000



2.4220, 9.1791, 33.8883

Rectangle

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



15.1109, 9.1791, 65.2653



23.7084, 9.1791, 16.1666



4.4514, 9.1791, 0.0000



1.9275, 9.1791, 5.6352

Sweetspot

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



15.1115, 9.1793, 65.2656



61.3511, 60.8713, 103.1235



34.7634, 52.8966, 58.2098



12.2628, 12.0089, 21.9216



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.



15.1115, 9.1793, 65.2656



18.9219, 8.8216, 95.3132



18.9724, 9.5937, 65.1421



11.8743, 12.2720, 15.6804



7.6368, 3.5354, 38.7331



0.5050, 0.3020, 2.3510

Inverse Universe

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



29.8071, 16.4859, 6.6118



41.7148, 21.5828, 4.0206



37.5879, 55.4027, 10.9047



12.4898, 12.4474, 13.2533



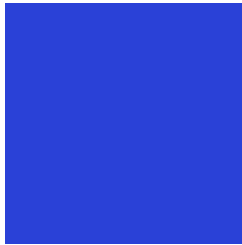
16.9136, 8.7017, 1.5830



1.0426, 0.5338, 0.2135

Previews

White Background



This preview shows how the XYZ color 15.1109, 9.1791, 65.2653 looks on a white background.

Color Contrast Check

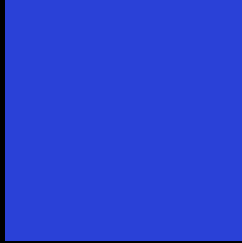
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.1109, 9.1791, 65.2653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

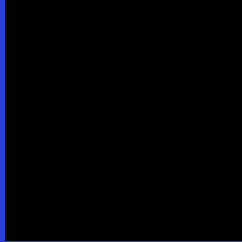
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1109, 9.1791, 65.2653

Background



This preview shows how black text looks on a background with the XYZ color 15.1109, 9.1791, 65.2653.



This preview shows how white text looks on a background with the XYZ color 15.1109, 9.1791,

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

15.1109, 9.1791, 65.2653

Protanopia

10.4637, 9.0131, 40.2179

Deuteranopia

8.6747, 8.9230, 28.8689



Tritanopia

6.3030, 8.9255, 13.4472

Trichromacy



Original Color

15.1109, 9.1791, 65.2653

Protanomaly

11.8585, 8.9013, 48.6701

Deuteranomaly

10.4394, 8.6721, 40.1534

Tritanomaly

8.1727, 8.2411, 26.7511

Monochromacy



Original Color

15.1109, 9.1791, 65.2653

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.0690, 7.0696, 20.6779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1109, 9.1791, 65.2653 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, 65, 215)` looks like.

```
.text, #text, p{  
    color:rgb(42, 65, 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(42, 65, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 65, 215) }
```

Border

The CSS property to change the border of an element to XYZ 15.1109, 9.1791, 65.2653 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, 65, 215) }
```


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

```
.border{ border-color:rgb(42, 65, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 65, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 65, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 65, 215);  
box-shadow:4px 4px 4px 4px rgb(42, 65,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1109, 9.1791, 65.2653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 65, 215) }
```

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

```
.background{ background-color: rgb(42, 65,  
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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