

Converting Colors

XYZ(24.4159, 17.9252, 96.7808)

Have a look what the booklet for
XYZ(24.4159, 17.9252, 96.7808)
contains.

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Color

**XYZ(24.3656, 17.8244,
96.7640)**

Conversions

Conversions Part 1

Format	Color
Hex	3368FF
RGB	51, 104, 255
RGB Percent	20%, 41%, 100%
CMY	0.7999, 0.5922, 0.0000
CMYK	0.80, 0.59, 0.00, 0.00
HSL	224°, 100%, 60%
HSV	224°, 80%, 100%
XYZ	24.3656, 17.8244, 96.7640
YIQ	105.3670, -80.0590, 35.7250

Conversions

Conversions Part 2

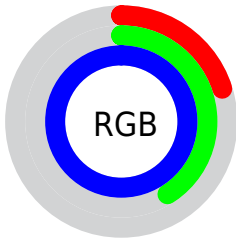
Format	Color
R _Y B	51, 93, 255
Decimal	3369215
CIE Lab	49.28, 36.24, -79.73
CIE LCh	49, 87.578, 294.441
Yxy	17.8244, 0.1754, 0.1283
Android (android.graphics.Color)	4281559295 (0xFF3368FF)
YUV	105.3670, 73.7691, -47.6799
Hunter-Lab	42.2190, 29.1336, -106.3368

Details

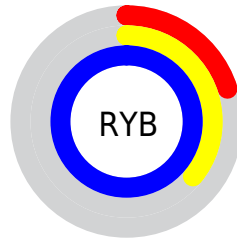
The XYZ color **24.3656, 17.8244, 96.7640** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **62.9635, 63.7503, 12.1208**, and the grayscale version is **13.3502, 14.0454, 15.2955**.

A 20% lighter version of the original color is **38.8246, 35.3298, 99.3808**, and **11.5911, 7.0573, 53.5746** is the 20% darker color. If you saturate the color by 10%, you get **21.7220, 13.9496, 96.1554**, and if you desaturate by 10%, it is **28.1396, 22.9131, 97.5473**.

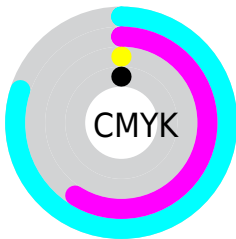
Distribution



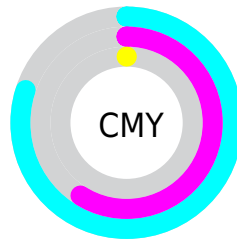
- Red (20%)
- Green (41%)
- Blue (100%)



- Red (20%)
- Yellow (36%)
- Blue (100%)



- Cyan (80%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3656, 17.8244, 96.7640 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 24.3656, 17.8244, 96.7640 by changing the saturation by 10% instead.

■ 24.3656, 17.8244,
96.7640

■ 24.3656, 17.8244,
96.7640

267.0700,
239.8794, 570.9249

■ 15.7312, 10.8240,
72.9990

■ 50.0765, 39.7379,
158.7159

■ 9.4238, 5.9486,
53.4834

■ 67.8838, 55.4197,
197.7399

■ 5.0780, 2.8139,
37.7984

■ 89.4793, 74.7642,
242.6873

■ 2.3283, 1.0353,
25.5257

■ 115.2286, 98.1557,
293.9767

■ 0.8091, 0.0000,
16.2465

145.4970,
125.9785, 352.0267

■ 0.0000, 0.0000,
9.5425

180.6498,

■ 0.0000, 0.0000,

158.6172, 417.2556

4.9951

221.0523,
196.4560, 490.0822

■ 0.0000, 0.0000,
2.1857

■ 0.0000, 0.0000,
0.6661

■ 24.3656, 17.8244,
96.7640

■ 24.3656, 17.8244,
96.7640

■ 21.7220, 13.9496,
96.1554

■ 28.1396, 22.9131,
97.5473

■ 20.0128, 11.1453,
95.7042

■ 33.1681, 29.3186,
98.5186

■ 20.0117, 11.1434,
95.7039

■ 39.5604, 37.1327,
99.6900

■ 47.4126, 46.4381,
101.0723

■ 56.8117, 57.3106,
102.6755

■ 67.8376, 69.8206,
104.5090

■ 80.5646, 84.0342,
106.5818

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



15.4550, 17.8244, 108.4304



24.3656, 17.8244, 96.7640



33.3434, 17.8244, 59.4720

Triad

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



24.3656, 17.8244, 96.7640



27.9060, 17.8244, 0.9594



5.5710, 17.8244, 15.3418

Complementary

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



24.3656, 17.8244, 96.7640



62.9635, 63.7503, 12.1208

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.



7.0562, 17.8244, 3.1853



24.3656, 17.8244, 96.7640



18.5205, 17.8244, 0.0000

Square

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



24.3656, 17.8244, 96.7640



35.8082, 17.8244, 6.0503



11.2032, 17.8244, 0.3663



6.2357, 17.8244, 44.8344

Rectangle

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



24.3656, 17.8244, 96.7640



37.2060, 17.8244, 34.2717



11.2032, 17.8244, 0.3663



5.8152, 17.8244, 9.6159

Sweetspot

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



24.3665, 17.8248, 96.7640



63.2182, 64.6057, 103.7459



47.6225, 76.4228, 67.2564



12.7006, 12.8844, 22.0675



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.



24.3665, 17.8248, 96.7640



20.6118, 12.1542, 95.8674



24.3384, 12.2205, 95.6838



17.3865, 18.1446, 22.8358



10.5582, 6.0259, 50.0412



1.1120, 0.7546, 4.9003

Inverse Universe

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



44.9234, 24.6289, 15.4826



42.5794, 21.9729, 8.4369



62.2034, 85.0830, 16.2785



18.2030, 18.0645, 19.6861



22.1175, 11.3363, 4.0031



2.1959, 1.1207, 0.6129

Previews

White Background



This preview shows how the XYZ color 24.3656, 17.8244, 96.7640 looks on a white background.

Color Contrast Check

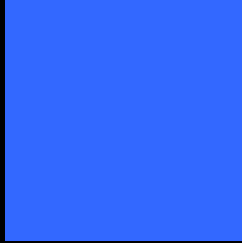
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.3656, 17.8244, 96.7640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

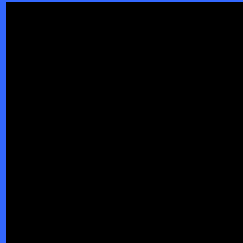
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3656, 17.8244, 96.7640

Background



This preview shows how black text looks on a background with the XYZ color 24.3656, 17.8244, 96.7640.



This preview shows how white text looks on a background with the XYZ color 24.3656, 17.8244,

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

24.3656, 17.8244, 96.7640

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.4959, 17.5533, 59.5927



Tritanopia

12.3656, 17.5067, 26.3943

Trichromacy



Original Color

24.3656, 17.8244, 96.7640

Protanomaly

22.0663, 17.6074, 87.8235

Deuteranomaly

19.6052, 17.5008, 72.1567

Tritanomaly

15.2232, 16.8667, 45.6333

Monochromacy



Original Color

24.3656, 17.8244, 96.7640

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.1431, 14.5725, 35.2724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3656, 17.8244, 96.7640 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(51, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 104, 255)  
}
```

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(51, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 104, 255) }
```

Border

The CSS property to change the border of an element to XYZ 24.3656, 17.8244, 96.7640 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(51, 104, 255) }
```


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

```
.border{ border-color:rgb(51, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 104,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3656, 17.8244, 96.7640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 104, 255) }
```

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

```
.background{ background-color: rgb(51, 104,  
255) }
```

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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