

Converting Colors

XYZ(17.3851, 13.5604, 65.4535)

Have a look what the booklet for
XYZ(17.3851, 13.5604, 65.4535)
contains.

XYZ(17.3126, 13.4648, 65.3048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.3126, 13.4648,
65.3048)**

Conversions

Conversions Part 1

Format	Color
Hex	2F5ED6
RGB	47, 94, 214
RGB Percent	18%, 37%, 84%
CMY	0.8156, 0.6314, 0.1608
CMYK	0.78, 0.56, 0.00, 0.16
HSL	223°, 67%, 51%
HSV	223°, 78%, 84%
XYZ	17.3126, 13.4648, 65.3048
YIQ	93.6270, -66.5320, 27.3560

Conversions

Conversions Part 2

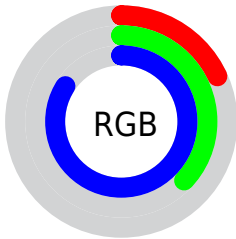
Format	Color
R_{YB}	47, 84, 214
Decimal	3104470
CIE _{Lab}	43.46, 27.16, -66.16
CIE _{LCh}	43, 71.512, 292.317
Yxy	13.4648, 0.1802, 0.1401
Android (android.graphics.Color)	4281294550 (0xFF2F5ED6)
YUV	93.6270, 59.3439, -40.8919
Hunter-Lab	36.6944, 20.0019, -79.8319

Details

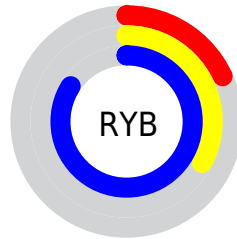
The XYZ color **17.3126, 13.4648, 65.3048** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **42.0664, 42.1442, 8.6083**, and the grayscale version is **10.4287, 10.9718, 11.9483**.

A 20% lighter version of the original color is **35.4945, 31.0181, 98.7241**, and **7.2699, 4.6652, 32.8651** is the 20% darker color. If you saturate the color by 10%, you get **15.3226, 10.6071, 64.8585**, and if you desaturate by 10%, it is **20.0596, 17.1172, 65.8653**.

Distribution



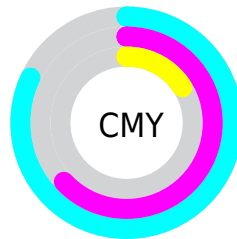
- Red (18%)
- Green (37%)
- Blue (84%)



- Red (18%)
- Yellow (33%)
- Blue (84%)



- Cyan (78%)
- Magenta (56%)
- Yellow (0%)
- Black (16%)



- Cyan (82%)
- Magenta (63%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3126, 13.4648, 65.3048 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 17.3126, 13.4648, 65.3048 by changing the saturation by 10% instead.

■ 17.3126, 13.4648,
65.3048

■ 17.3126, 13.4648,
65.3048

230.0887,
213.8754, 462.2226

■ 10.5543, 7.7494,
47.2554

■ 38.4018, 32.1363,
114.1054

■ 5.8331, 3.9350,
32.8818

■ 53.4634, 45.8612,
145.6937

■ 2.7835, 1.6373,
21.7655

■ 72.0235, 63.0247,
182.6320

■ 1.0403, 0.3825,
13.4880

■ 94.4475, 84.0113,
225.3388

■ 0.0000, 0.0000,
7.6308

■ 121.1006,
109.2052, 274.2328

■ 0.0000, 0.0000,
3.7753

152.3483,

■ 0.0000, 0.0000,

138.9910, 329.7324

1.5029

188.5559,
173.7529, 392.2561

■ 0.0000, 0.0000,
0.2201

■ 0.0000, 0.0000,
0.0000

■ 17.3126, 13.4648,
65.3048

■ 17.3126, 13.4648,
65.3048

■ 15.3226, 10.6071,
64.8585

■ 20.0596, 17.1172,
65.8653

■ 13.9814, 8.4642,
64.5155

■ 23.6389, 21.6252,
66.5468

■ 13.7648, 8.1093,
64.4584

■ 28.1181, 27.0443,
67.3568

■ 33.5568, 33.4245,
68.3016

■ 40.0094, 40.8118,
69.3874

■ 47.5261, 49.2493,
70.6198

■ 56.1535, 58.7773,
72.0042

■ 65.9354, 69.4340,
73.5456

■ 76.9134, 81.2556,
75.2488

Harmonies

Analogous

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



11.4184, 13.4648, 70.9358



17.3126, 13.4648, 65.3048



23.2871, 13.4648, 42.5525

Triad

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



17.3126, 13.4648, 65.3048



20.5276, 13.4648, 1.3173



4.8459, 13.4648, 10.9297

Complementary

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



17.3126, 13.4648, 65.3048



42.0664, 42.1442, 8.6083

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.



6.0536, 13.4648, 2.7662



17.3126, 13.4648, 65.3048



14.2842, 13.4648, 0.2833

Square

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



17.3126, 13.4648, 65.3048



25.4877, 13.4648, 5.8234



9.1454, 13.4648, 0.6130



5.2251, 13.4648, 29.6716

Rectangle

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



17.3126, 13.4648, 65.3048



25.9597, 13.4648, 26.0950



9.1454, 13.4648, 0.6130



5.0637, 13.4648, 7.1764

Sweetspot

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



17.3133, 13.4651, 65.3052



64.6633, 66.5172, 104.0387



32.1658, 51.4765, 44.6486



12.9933, 13.2827, 22.1290



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.



17.3133, 13.4651, 65.3052



21.3258, 13.4718, 96.0841



16.7392, 8.7370, 64.4228



12.0243, 12.5720, 15.7304



8.3963, 5.0545, 38.9862



0.5764, 0.4448, 2.3748

Inverse Universe

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



30.7691, 17.1385, 12.2760



42.9666, 22.2308, 10.1587



42.8789, 57.7424, 11.5762



12.5655, 12.4777, 13.6519



17.2969, 8.8551, 3.6018



1.0786, 0.5482, 0.4032

Previews

White Background



This preview shows how the XYZ color 17.3126, 13.4648, 65.3048 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 17.3126, 13.4648, 65.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

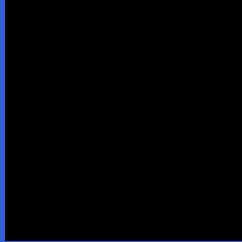
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.3126, 13.4648, 65.3048

Background



This preview shows how black text looks on a background with the XYZ color 17.3126, 13.4648, 65.3048.



This preview shows how white text looks on a background with the XYZ color 17.3126, 13.4648,

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

17.3126, 13.4648, 65.3048

Protanopia

15.8763, 13.3388, 62.0595

Deuteranopia

13.2898, 13.3984, 45.0657



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

17.3126, 13.4648, 65.3048

Protanomaly

16.2637, 13.3717, 63.3518

Deuteranomaly

14.3993, 13.2323, 51.6643

Tritanomaly

11.3016, 12.7938, 32.8841

Monochromacy



Original Color

17.3126, 13.4648, 65.3048

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.6507, 11.4182, 25.6346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3126, 13.4648, 65.3048 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(47, 94, 214)` looks like.

```
.text, #text, p{  
    color:rgb(47, 94, 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(47, 94, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 94, 214) }
```

Border

The CSS property to change the border of an element to XYZ 17.3126, 13.4648, 65.3048 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(47, 94, 214) }
```


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

```
.border{ border-color:rgb(47, 94, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 94, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 94, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 94, 214);  
box-shadow:4px 4px 4px 4px rgb(47, 94,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3126, 13.4648, 65.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 94, 214) }
```

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

```
.background{ background-color: rgb(47, 94,  
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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