

Converting Colors

XYZ(48.5766, 34.6734, 21.8103)

Have a look what the booklet for
XYZ(48.5766, 34.6734, 21.8103)
contains.

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Color

**XYZ(48.4644, 34.5632,
21.8863)**

Conversions

Conversions Part 1

Format	Color
Hex	F77878
RGB	247, 120, 120
RGB Percent	97%, 47%, 47%
CMY	0.0314, 0.5294, 0.5294
CMYK	0.00, 0.51, 0.51, 0.03
HSL	0°, 89%, 72%
HSV	0°, 51%, 97%
XYZ	48.4644, 34.5632, 21.8863
YIQ	157.9730, 75.6920, 26.9240

Conversions

Conversions Part 2

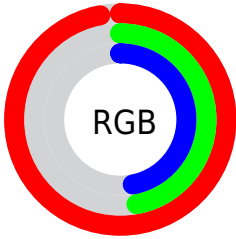
Format	Color
R_{YB}	247, 120, 120
Decimal	16218232
CIE _{Lab}	65.41, 48.56, 23.20
CIE _{LCh}	65, 53.817, 25.537
Yxy	34.5632, 0.4619, 0.3294
Android (android.graphics.Color)	4294408312 (0xFFFF77878)
YUV	157.9730, -18.7207, 78.0767
Hunter-Lab	58.7905, 44.2646, 19.0811

Details

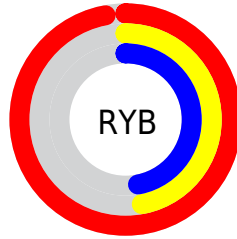
The XYZ color **48.4644, 34.5632, 21.8863** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.7927, 77.2254, 99.8553**, and the grayscale version is **32.5465, 34.2414, 37.2889**.

A 20% lighter version of the original color is **64.0164, 54.8985, 46.2522**, and **23.3676, 14.8034, 7.7566** is the 20% darker color. If you saturate the color by 10%, you get **44.5570, 28.8461, 14.1178**, and if you desaturate by 10%, it is **53.5260, 41.9704, 31.9473**.

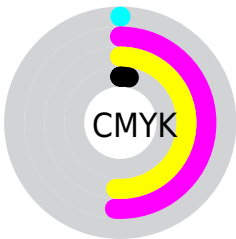
Distribution



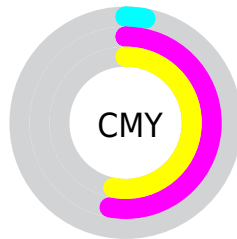
- Red (97%)
- Green (47%)
- Blue (47%)



- Red (97%)
- Yellow (47%)
- Blue (47%)



- Cyan (0%)
- Magenta (51%)
- Yellow (51%)
- Black (3%)





- Cyan (3%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4644, 34.5632, 21.8863 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 48.4644, 34.5632, 21.8863 by changing the saturation by 10% instead.


 48.4644, 34.5632,
21.8863


 48.4644, 34.5632,
21.8863


371.1820,
322.6361, 274.8860

 34.4076, 23.3266,
13.5759


 87.1010, 66.8085,
47.4578

 23.3713, 14.8349,
7.6909


 112.4114, 88.5861,
65.5559

 14.9901, 8.7036,
3.8129


 142.2038,
114.6460, 87.7537

 8.8987, 4.5483,
1.5233

176.8435,
145.3728, 114.4696

 4.7317, 1.9848,
0.2352

216.6957,
181.1508, 146.1223

 2.1239, 0.5986,
0.0000

262.1260,

 0.7021, 0.0000,

222.3644, 183.1302

0.0000

313.4997,
269.3981, 225.9120

■ 0.0000, 0.0000,
0.0000

■ 48.4644, 34.5632,
21.8863

■ 48.4644, 34.5632,
21.8863

■ 44.5570, 28.8461,
14.1178

■ 53.5260, 41.9704,
31.9473

■ 41.7107, 24.6810,
8.4598

■ 59.8202, 51.1807,
44.4597

■ 39.8224, 21.9177,
4.7062

■ 67.4214, 62.3034,
59.5706

■ 38.7669, 20.3732,
2.6085

■ 76.3975, 75.4380,
77.4148

■ 38.3578, 19.7744,
1.7952

■ 86.8117, 90.6768,
98.1179

92.1676, 98.5141,
108.7651

Harmonies

Analogous

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



50.3425, 34.5632, 41.1033



48.4644, 34.5632, 21.8863



42.1684, 34.5632, 12.0361

Triad

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



48.4644, 34.5632, 21.8863



21.8983, 34.5632, 18.0679



31.6891, 34.5632, 99.3914

Complementary

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



48.4644, 34.5632, 21.8863



57.7927, 77.2254, 99.8553

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.



25.0188, 34.5632, 85.7976



48.4644, 34.5632, 21.8863



19.9686, 34.5632, 34.3646

Square

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



48.4644, 34.5632, 21.8863



26.7564, 34.5632, 10.5286



21.0130, 34.5632, 59.5501



39.8078, 34.5632, 91.7655

Rectangle

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



48.4644, 34.5632, 21.8863



36.7728, 34.5632, 9.3530



21.0130, 34.5632, 59.5501



29.2190, 34.5632, 97.0398

Sweetspot

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



48.4653, 34.5650, 21.8869



78.4809, 75.7548, 75.9610



61.8626, 39.9226, 92.4406



16.3598, 15.5732, 15.3873



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.



48.4653, 34.5650, 21.8869



47.6593, 30.6537, 14.6897



58.7847, 55.2039, 25.3267



16.4993, 16.4827, 17.1094



20.2863, 10.4581, 0.9494



1.7830, 0.9192, 0.0835

Inverse Universe

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



57.7927, 77.2254, 99.8553



58.7263, 81.2703, 107.1993



41.5711, 44.7822, 94.4481



16.9967, 18.7577, 21.2673



26.4672, 38.7282, 52.6184



2.3262, 3.4039, 4.6246

Previews

White Background



This preview shows how the XYZ color 48.4644, 34.5632, 21.8863 looks on a white 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

Black Background



This preview shows how the XYZ color 48.4644, 34.5632, 21.8863 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 ✓ Pass

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

XYZ 48.4644, 34.5632, 21.8863

Background



This preview shows how black text looks on a background with the XYZ color 48.4644, 34.5632, 21.8863.



This preview shows how white text looks on a background with the XYZ color 48.4644, 34.5632,

21.8863.

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

48.4644, 34.5632, 21.8863

Protanopia

32.9219, 34.8467, 29.0357

Deuteranopia

35.4148, 34.8162, 20.7732



Tritanopia

48.7854, 34.5001, 24.1666

Trichromacy



Original Color

48.4644, 34.5632, 21.8863

Protanomaly

36.9871, 33.6253, 26.0136

Deuteranomaly

39.2556, 34.0123, 21.0190

Tritanomaly

48.5927, 34.4230, 23.1520

Monochromacy



Original Color

48.4644, 34.5632, 21.8863

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.2425, 32.9073, 30.8271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4644, 34.5632, 21.8863 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(247, 120, 120)` looks like.

```
.text, #text, p{  
    color:rgb(247, 120, 120)  
}
```

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(247, 120, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 120, 120) }
```

Border

The CSS property to change the border of an element to XYZ 48.4644, 34.5632, 21.8863 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(247, 120, 120) }
```


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

```
.border{ border-color:rgb(247, 120, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 120, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 120, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 120, 120);  
box-shadow:4px 4px 4px 4px rgb(247, 120,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4644, 34.5632, 21.8863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 120, 120) }
```

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

```
.background{ background-color: rgb(247,  
120, 120) }
```

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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