

Converting Colors

XYZ(36.4024, 47.7326, 53.2430)

Have a look what the booklet for
XYZ(36.4024, 47.7326, 53.2430)
contains.

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Color

**XYZ(36.4223, 47.7425,
53.1945)**

Conversions

Conversions Part 1

Format	Color
Hex	76C6B9
RGB	118, 198, 185
RGB Percent	46%, 78%, 73%
CMY	0.5372, 0.2235, 0.2745
CMYK	0.40, 0.00, 0.07, 0.22
HSL	170°, 41%, 62%
HSV	170°, 40%, 78%
XYZ	36.4223, 47.7425, 53.1945
YIQ	172.5980, -43.5070, -21.0030

Conversions

Conversions Part 2

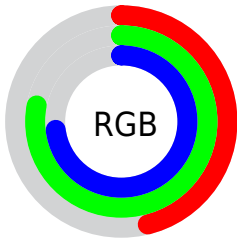
Format	Color
RYB	118, 162, 198
Decimal	7784121
CIELab	74.66, -27.61, -1.20
CIELCh	75, 27.639, 182.498
Yxy	47.7425, 0.2652, 0.3476
Android (android.graphics.Color)	4285974201 (0xFF76C6B9)
YUV	172.5980, 6.1142, -47.8824
Hunter-Lab	69.0959, -26.8258, 2.7219

Details

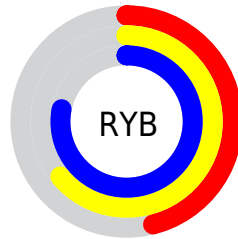
The XYZ color **36.4223, 47.7425, 53.1945** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8656, 26.6028, 24.8246**, and the grayscale version is **39.5028, 41.5600, 45.2589**.

A 20% lighter version of the original color is **69.0927, 86.8695, 96.3450**, and **16.1880, 22.6692, 25.3522** is the 20% darker color. If you saturate the color by 10%, you get **33.6750, 46.3662, 51.3134**, and if you desaturate by 10%, it is **39.7445, 49.4166, 55.1447**.

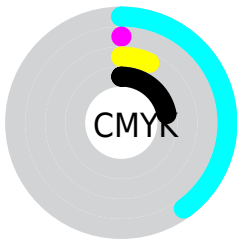
Distribution



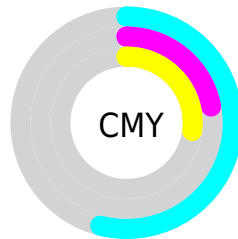
- Red (46%)
- Green (78%)
- Blue (73%)



- Red (46%)
- Yellow (64%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4223, 47.7425, 53.1945 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 36.4223, 47.7425, 53.1945 by changing the saturation by 10% instead.

■ 36.4223, 47.7425,
53.1945

■ 36.4223, 47.7425,
53.1945

322.2017,
377.7706, 416.1183

■ 24.9321, 33.6230,
37.5693

■ 69.0030, 86.8209,
96.3350

■ 16.1550, 22.6041,
25.3493

■ 90.8242, 112.5486,
124.6873

■ 9.7254, 14.3015,
16.1161

■ 116.8199,
142.9145, 158.1190

■ 5.2781, 8.3306,
9.4511

147.3553,
178.3029, 197.0488

■ 2.4478, 4.3072,
4.9358

182.7959,
219.0984, 241.8950

■ 0.8690, 1.8469,
2.1515

223.5069,

■ 0.0000, 0.5161,

265.6852, 293.0763

0.6462

269.8537,
318.4478, 351.0113

■ 0.0000, 0.0000,
0.0000

■ 36.4223, 47.7425,
53.1945

■ 36.4223, 47.7425,
53.1945

■ 33.6750, 46.3662,
51.3134

■ 39.7445, 49.4166,
55.1447

■ 31.4626, 45.2636,
49.4962

■ 43.6699, 51.3997,
57.1625

■ 29.7471, 44.4163,
47.7419


■ 48.2300, 53.7090,
59.2507


■ 28.4829, 43.8008,
46.0480


■ 53.4530, 56.3591,
61.4109


■ 27.6166, 43.3895,
44.4118


■ 59.3651, 59.3636,
63.6444

 27.0616, 43.1364,
42.8911

 65.9913, 62.7354,
65.9528

 72.7620, 66.1806,
68.3096

 73.1609, 66.3402,
70.4101

 73.5679, 66.5030,
72.5531

Harmonies

Analogous

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



37.3621, 47.7425, 40.2613



36.4223, 47.7425, 53.1945



37.7319, 47.7425, 68.2505

Triad

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



36.4223, 47.7425, 53.1945



50.7499, 47.7425, 78.8812



49.9708, 47.7425, 31.1602

Complementary

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



36.4223, 47.7425, 53.1945



33.8656, 26.6028, 24.8246

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.



53.9925, 47.7425, 38.5312



36.4223, 47.7425, 53.1945



54.4651, 47.7425, 65.7851

Square

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



36.4223, 47.7425, 53.1945



45.7987, 47.7425, 84.6852



55.6927, 47.7425, 50.7910



44.9595, 47.7425, 29.0147

Rectangle

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



36.4223, 47.7425, 53.1945



39.7649, 47.7425, 77.0716



55.6927, 47.7425, 50.7910



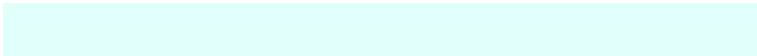
51.4955, 47.7425, 33.0327

Sweetspot

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



36.4237, 47.7444, 53.1956



83.8841, 94.3351, 104.2518



32.8774, 46.5501, 24.3929



17.7171, 20.0712, 22.2083



0.0000, 0.0000, 0.0000



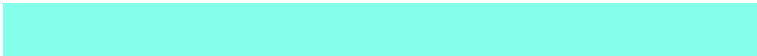
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.4237, 47.7444, 53.1956



60.3807, 82.4784, 91.4158



32.2917, 37.1824, 58.9032



10.8698, 12.0368, 13.2646



17.6249, 28.0623, 28.0328



0.8549, 1.3369, 1.4345

Inverse Universe

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



33.8656, 26.6028, 24.8246



55.2808, 40.2089, 34.7654



36.6349, 33.4645, 21.6690



10.7030, 10.6646, 11.4194



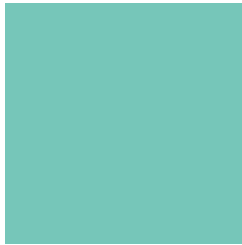
15.3376, 7.8846, 1.7218



0.7489, 0.3824, 0.2010

Previews

White Background



This preview shows how the XYZ color 36.4223, 47.7425, 53.1945 looks on a white background.

Color Contrast Check

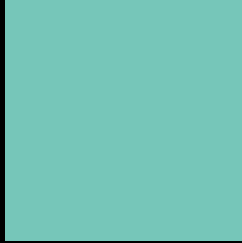
Large Text (above 18pt) WCAG AA × Fail

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 36.4223, 47.7425, 53.1945 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

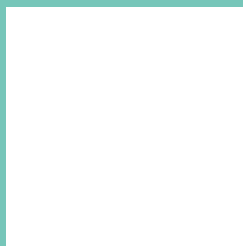
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4223, 47.7425, 53.1945

Background



This preview shows how black text looks on a background with the XYZ color 36.4223, 47.7425, 53.1945.

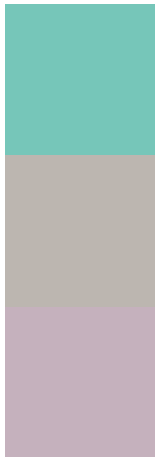


This preview shows how white text looks on a background with the XYZ color 36.4223, 47.7425,

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

36.4223, 47.7425, 53.1945

Protanopia

45.3035, 47.2819, 47.8129

Deuteranopia

47.9334, 46.9887, 54.6875



Tritanopia

39.3821, 47.5967, 68.0842

Trichromacy



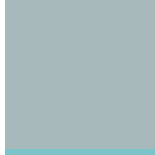
Original Color

36.4223, 47.7425, 53.1945



Protanomaly

41.2242, 47.0076, 49.5485



Deuteranomaly

42.5745, 46.6536, 54.3381



Tritanomaly

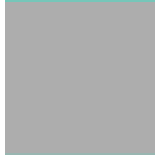
38.0838, 47.3848, 62.3973

Monochromacy



Original Color

36.4223, 47.7425, 53.1945



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.8006, 43.4025, 47.9802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4223, 47.7425, 53.1945 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(118, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 185)  
}
```

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(118, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 185) }
```

Border

The CSS property to change the border of an element to XYZ 36.4223, 47.7425, 53.1945 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(118, 198, 185) }
```


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

```
.border{ border-color:rgb(118, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 198, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 198, 185);  
box-shadow:4px 4px 4px 4px rgb(118, 198,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4223, 47.7425, 53.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 185) }
```

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

```
.background{ background-color: rgb(118,  
198, 185) }
```

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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