

Converting Colors

XYZ(17.5701, 19.4717, 45.4057)

Have a look what the booklet for
XYZ(17.5701, 19.4717, 45.4057)
contains.

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Color

**XYZ(17.5297, 19.3632,
45.4614)**

Conversions

Conversions Part 1

Format	Color
Hex	3B7FB3
RGB	59, 127, 179
RGB Percent	23%, 50%, 70%
CMY	0.7686, 0.5020, 0.2980
CMYK	0.67, 0.29, 0.00, 0.30
HSL	206°, 50%, 47%
HSV	206°, 67%, 70%
XYZ	17.5297, 19.3632, 45.4614
YIQ	112.5960, -57.2200, 1.7560

Conversions

Conversions Part 2

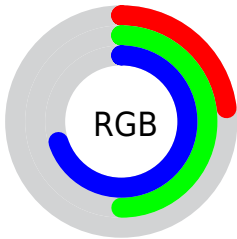
Format	Color
R _Y B	59, 102, 179
Decimal	3899315
CIE Lab	51.11, -4.66, -33.78
CIE LCh	51, 34.096, 262.152
Yxy	19.3632, 0.2129, 0.2351
Android (android.graphics.Color)	4282089395 (0xFF3B7FB3)
YUV	112.5960, 32.7372, -47.0037
Hunter-Lab	44.0036, -5.8974, -30.4516

Details

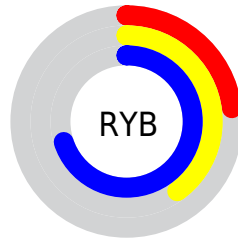
The XYZ color **17.5297, 19.3632, 45.4614** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.0654, 21.2700, 6.9231**, and the grayscale version is **15.4959, 16.3028, 17.7538**.

A 20% lighter version of the original color is **38.9244, 42.5626, 84.7611**, and **6.4903, 6.9551, 20.7391** is the 20% darker color. If you saturate the color by 10%, you get **15.6815, 16.9802, 45.0992**, and if you desaturate by 10%, it is **19.8202, 22.0893, 45.8673**.

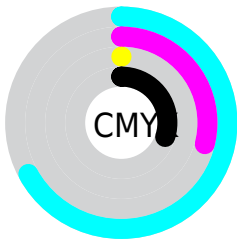
Distribution



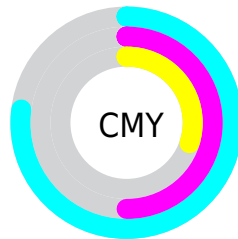
- Red (23%)
- Green (50%)
- Blue (70%)



- Red (23%)
- Yellow (40%)
- Blue (70%)



- Cyan (67%)
- Magenta (29%)
- Yellow (0%)
- Black (30%)



- Cyan (77%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5297, 19.3632, 45.4614 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 17.5297, 19.3632, 45.4614 by changing the saturation by 10% instead.

■ 17.5297, 19.3632,
45.4614

■ 17.5297, 19.3632,
45.4614

231.3039,
248.4466, 384.8535

■ 10.7105, 11.9330,
31.4754

■ 38.7707, 42.3469,
84.7381

■ 5.9384, 6.6981,
20.6996

■ 53.9232, 58.6693,
110.8660

■ 2.8479, 3.2740,
12.7155

■ 72.5842, 78.7244,
141.8782

■ 1.0739, 1.2764,
7.1045

■ 95.1190, 102.8968,
178.1933

■ 0.0031, 0.1228,
3.4481

■ 121.8931,
131.5708, 220.2298

■ 0.0000, 0.0000,
1.3278

153.2716,

■ 0.0000, 0.0000,

165.1309, 268.4063

0.0844

189.6201,
203.9613, 323.1414

■ 0.0000, 0.0000,
0.0000

■ 17.5297, 19.3632,
45.4614

■ 17.5297, 19.3632,
45.4614

■ 15.6815, 16.9802,
45.0992

■ 19.8202, 22.0893,
45.8673

■ 14.2327, 14.9149,
44.7770

■ 22.5860, 25.1771,
46.3175

■ 13.1264, 13.1354,
44.4918

■ 25.8592, 28.6458,
46.8145

■ 12.8324, 12.6459,
44.4128

■ 29.6681, 32.5126,
47.3601

■ 34.0390, 36.7930,
47.9559

■ 38.9963, 41.5019,
48.6036

■ 44.5629, 46.6533,
49.3045

■ 50.7603, 52.2603,
50.0601

■ 57.6089, 58.3357,
50.8718

Harmonies

Analogous

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



14.6929, 19.3632, 39.4910



17.5297, 19.3632, 45.4614



20.9687, 19.3632, 43.4860

Triad

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



17.5297, 19.3632, 45.4614



25.1137, 19.3632, 14.8074



13.7287, 19.3632, 11.5903

Complementary

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



17.5297, 19.3632, 45.4614



25.0654, 21.2700, 6.9231

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.



16.0577, 19.3632, 8.1034



17.5297, 19.3632, 45.4614



22.6930, 19.3632, 9.5247

Square

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



17.5297, 19.3632, 45.4614



25.6333, 19.3632, 23.7321



19.3072, 19.3632, 7.4849



12.6806, 19.3632, 18.6392

Rectangle

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



17.5297, 19.3632, 45.4614



23.1262, 19.3632, 38.1397



19.3072, 19.3632, 7.4849



14.3730, 19.3632, 10.0642

Sweetspot

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



17.5304, 19.3639, 45.4619



58.2630, 63.2792, 85.5245



20.7938, 34.3183, 20.5684



12.4244, 13.5462, 18.8821



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.5304, 19.3639, 45.4619



26.8817, 28.7471, 80.5131



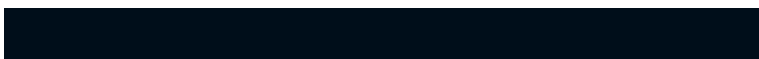
11.9484, 8.1999, 43.6012



8.4282, 9.0025, 10.7998



9.1335, 9.0674, 31.4058



0.3441, 0.3987, 1.0071

Inverse Universe

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



23.9858, 14.2448, 21.5645



39.9230, 21.4043, 31.5627



33.9433, 39.0259, 9.8824



8.6913, 8.5832, 9.8728



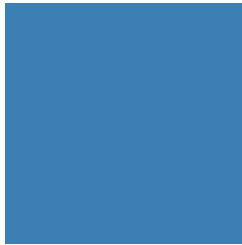
14.8448, 7.4555, 9.6087



0.4957, 0.2460, 0.4530

Previews

White Background



This preview shows how the XYZ color 17.5297, 19.3632, 45.4614 looks on a white 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

Black Background



This preview shows how the XYZ color 17.5297, 19.3632, 45.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

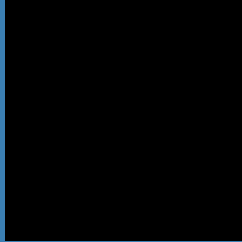
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5297, 19.3632, 45.4614

Background



This preview shows how black text looks on a background with the XYZ color 17.5297, 19.3632, 45.4614.

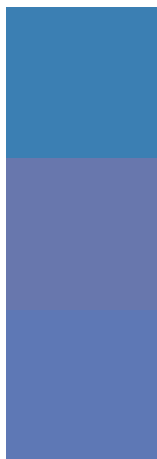


This preview shows how white text looks on a background with the XYZ color 17.5297, 19.3632,

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

17.5297, 19.3632, 45.4614

Protanopia

19.8486, 19.1538, 42.1861

Deuteranopia

19.6731, 19.1488, 46.3753



Tritanopia

14.3221, 19.4571, 29.3863

Trichromacy



Original Color

17.5297, 19.3632, 45.4614

Protanomaly

18.7219, 19.0889, 43.2552

Deuteranomaly

18.7145, 19.2105, 45.9017

Tritanomaly

15.2843, 19.2248, 34.8035

Monochromacy



Original Color

17.5297, 19.3632, 45.4614

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5080, 17.0902, 26.1483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5297, 19.3632, 45.4614 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(59, 127, 179)` looks like.

```
.text, #text, p{  
    color:rgb(59, 127, 179)  
}
```

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(59, 127, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 127, 179) }
```

Border

The CSS property to change the border of an element to XYZ 17.5297, 19.3632, 45.4614 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(59, 127, 179) }
```


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

```
.border{ border-color:rgb(59, 127, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 127, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 127, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 127, 179);  
box-shadow:4px 4px 4px 4px rgb(59, 127,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5297, 19.3632, 45.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 127, 179) }
```

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

```
.background{ background-color: rgb(59, 127,  
179) }
```

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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