

Converting Colors

XYZ(17.5862, 19.9644, 45.4446)

Have a look what the booklet for
XYZ(17.5862, 19.9644, 45.4446)
contains.

XYZ(17.6406, 20.0042, 45.5793)	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(17.6406, 20.0042,
45.5793)**

Conversions

Conversions Part 1

Format	Color
Hex	3682B3
RGB	54, 130, 179
RGB Percent	21%, 51%, 70%
CMY	0.7882, 0.4902, 0.2980
CMYK	0.70, 0.27, 0.00, 0.30
HSL	204°, 54%, 46%
HSV	204°, 70%, 70%
XYZ	17.6406, 20.0042, 45.5793
YIQ	112.8620, -61.0250, -0.8730

Conversions

Conversions Part 2

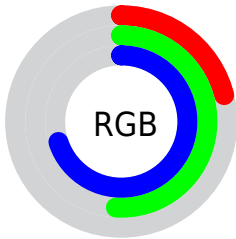
Format	Color
R _Y B	54, 101, 179
Decimal	3572403
CIE Lab	51.84, -7.21, -32.64
CIE LCh	52, 33.431, 257.538
Yxy	20.0042, 0.2120, 0.2404
Android (android.graphics.Color)	4281762483 (0xFF3682B3)
YUV	112.8620, 32.6060, -51.6220
Hunter-Lab	44.7261, -7.8676, -29.1128

Details

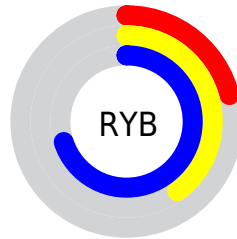
The XYZ color **17.6406, 20.0042, 45.5793** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.1074, 19.5519, 5.9942**, and the grayscale version is **15.5754, 16.3866, 17.8450**.

A 20% lighter version of the original color is **38.9991, 43.5100, 84.9401**, and **6.7083, 7.3912, 20.8117** is the 20% darker color. If you saturate the color by 10%, you get **15.9491, 17.7938, 45.2422**, and if you desaturate by 10%, it is **19.7506, 22.5255, 45.9552**.

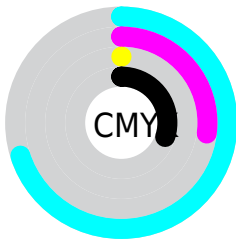
Distribution



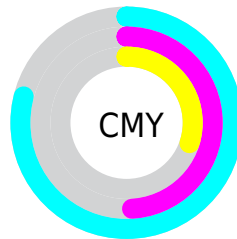
- Red (21%)
- Green (51%)
- Blue (70%)



- Red (21%)
- Yellow (40%)
- Blue (70%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (30%)



- Cyan (79%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6406, 20.0042, 45.5793 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 17.6406, 20.0042, 45.5793 by changing the saturation by 10% instead.

■ 17.6406, 20.0042,
45.5793

■ 17.6406, 20.0042,
45.5793

231.9224,
251.9379, 385.3430

■ 10.7904, 12.3981,
31.5677

■ 38.9589, 43.4242,
84.9167

■ 5.9923, 7.0154,
20.7694

■ 54.1576, 60.0069,
111.0795

■ 2.8810, 3.4717,
12.7660

■ 72.8699, 80.3506,
142.1299

■ 1.0912, 1.3827,
7.1388

■ 95.4612, 104.8397,
178.4863

■ 0.0177, 0.2039,
3.4693

■ 122.2967,
133.8586, 220.5672

■ 0.0000, 0.0000,
1.3390

153.7418,

■ 0.0000, 0.0000,

167.7917, 268.7913

0.0934

190.1619,
207.0233, 323.5771

■ 0.0000, 0.0000,
0.0000

■ 17.6406, 20.0042,
45.5793

■ 17.6406, 20.0042,
45.5793

■ 15.9491, 17.7938,
45.2422

■ 19.7506, 22.5255,
45.9552

■ 14.6318, 15.8686,
44.9400

■ 22.3131, 25.3761,
46.3703

■ 13.6040, 14.1834,
44.6689

■ 25.3607, 28.5747,
46.8271

■ 13.5873, 14.1558,
44.6645

■ 28.9219, 32.1381,
47.3272

■ 33.0233, 36.0814,
47.8722

■ 37.6893, 40.4188,
48.4634

■ 42.9427, 45.1638,
49.1024

■ 48.8051, 50.3291,
49.7904

■ 55.2970, 55.9266,
50.5287

Harmonies

Analogous

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



14.9421, 20.0042, 38.6677



17.6406, 20.0042, 45.5793



21.0468, 20.0042, 44.8826

Triad

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



17.6406, 20.0042, 45.5793



25.9337, 20.0042, 16.6243



14.5970, 20.0042, 11.4494

Complementary

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



17.6406, 20.0042, 45.5793



24.1074, 19.5519, 5.9942

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.



17.1153, 20.0042, 8.3857



17.6406, 20.0042, 45.5793



23.7643, 20.0042, 10.7045

Square

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



17.6406, 20.0042, 45.5793



26.1180, 20.0042, 26.0650



20.4556, 20.0042, 8.1612



13.3304, 20.0042, 17.9944

Rectangle

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



17.6406, 20.0042, 45.5793



23.2697, 20.0042, 40.1998



20.4556, 20.0042, 8.1612



15.3106, 20.0042, 10.0749

Sweetspot

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



17.6413, 20.0049, 45.5798



57.9581, 63.4974, 85.5827



20.0363, 33.9827, 18.0532



12.3846, 13.6327, 18.9009



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.



17.6413, 20.0049, 45.5798



27.1680, 29.8805, 80.7168



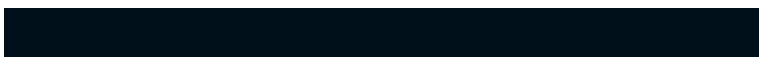
11.7614, 8.2451, 43.6198



8.4574, 9.0611, 10.8095



9.6661, 10.1325, 31.5833



0.3589, 0.4284, 1.0120

Inverse Universe

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



23.9395, 13.8345, 22.5283



39.9307, 20.8834, 33.2185



32.6070, 36.5511, 8.8274



8.7061, 8.5892, 9.9507



15.1136, 7.5630, 11.0243



0.5032, 0.2490, 0.4925

Previews

White Background



This preview shows how the XYZ color 17.6406, 20.0042, 45.5793 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 17.6406, 20.0042, 45.5793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

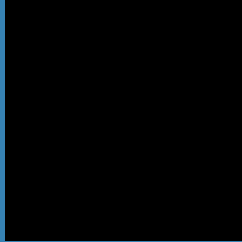
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6406, 20.0042, 45.5793

Background



This preview shows how black text looks on a background with the XYZ color 17.6406, 20.0042, 45.5793.

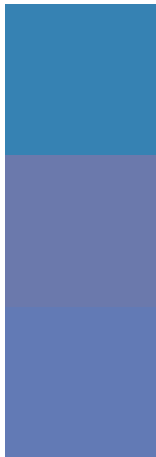


This preview shows how white text looks on a background with the XYZ color 17.6406, 20.0042,

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

17.6406, 20.0042, 45.5793

Protanopia

20.3472, 19.7791, 41.7751

Deuteranopia

20.3370, 19.8519, 46.4760



Tritanopia

14.6357, 20.0062, 30.6940

Trichromacy



Original Color

17.6406, 20.0042, 45.5793

Protanomaly

18.9700, 19.5852, 43.3379

Deuteranomaly

19.0515, 19.7564, 45.9893

Tritanomaly

15.6198, 19.9847, 35.8351

Monochromacy



Original Color

17.6406, 20.0042, 45.5793

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5258, 17.2751, 26.1830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6406, 20.0042, 45.5793 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(54, 130, 179)` looks like.

```
.text, #text, p{  
    color:rgb(54, 130, 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(54, 130, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 130, 179) }
```

Border

The CSS property to change the border of an element to XYZ 17.6406, 20.0042, 45.5793 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(54, 130, 179) }
```


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

```
.border{ border-color:rgb(54, 130, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 130, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 130, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 130, 179);  
box-shadow:4px 4px 4px 4px rgb(54, 130,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6406, 20.0042, 45.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 130, 179) }
```

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

```
.background{ background-color: rgb(54, 130,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor