

Converting Colors

XYZ(9.7322, 11.4932, 20.2932)

Have a look what the booklet for
XYZ(9.7322, 11.4932, 20.2932)
contains.

XYZ(9.7502, 11.5217, 20.4489)	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(9.7502, 11.5217,
20.4489)**

Conversions

Conversions Part 1

Format	Color
Hex	36657B
RGB	54, 101, 123
RGB Percent	21%, 40%, 48%
CMY	0.7882, 0.6039, 0.5176
CMYK	0.56, 0.18, 0.00, 0.52
HSL	199°, 39%, 35%
HSV	199°, 56%, 48%
XYZ	9.7502, 11.5217, 20.4489
YIQ	89.4550, -35.0740, -3.1220

Conversions

Conversions Part 2

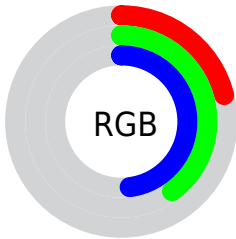
Format	Color
RYB	54, 82, 123
Decimal	3564923
CIELab	40.45, -9.24, -17.21
CIElCh	40, 19.537, 241.775
Yxy	11.5217, 0.2337, 0.2762
Android (android.graphics.Color)	4281755003 (0xFF36657B)
YUV	89.4550, 16.5377, -31.0940
Hunter-Lab	33.9436, -8.1278, -11.9580

Details

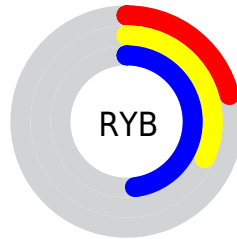
The XYZ color **9.7502, 11.5217, 20.4489** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4191, 9.6467, 4.7507**, and the grayscale version is **9.5668, 10.0650, 10.9608**.

A 20% lighter version of the original color is **25.0086, 28.6552, 45.2872**, and **2.5552, 3.1327, 6.9486** is the 20% darker color. If you saturate the color by 10%, you get **8.8001, 10.4802, 20.2982**, and if you desaturate by 10%, it is **10.8863, 12.6865, 20.6141**.

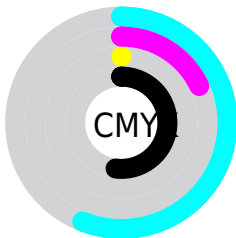
Distribution



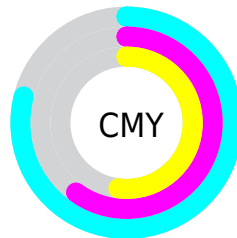
- Red (21%)
- Green (40%)
- Blue (48%)



- Red (21%)
- Yellow (32%)
- Blue (48%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (52%)



- Cyan (79%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.7502, 11.5217, 20.4489 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 9.7502, 11.5217, 20.4489 by changing the saturation by 10% instead.

■ 9.7502, 11.5217,
20.4489

■ 9.7502, 11.5217,
20.4489

182.9709,
201.2126, 267.0192

■ 5.2946, 6.4189,
12.5345

■ 24.9785, 28.6209,
45.0373

■ 2.4577, 3.1014,
6.9818

■ 36.4820, 41.3861,
62.5484

■ 0.8740, 1.1849,
3.3725

■ 51.0656, 57.4743,
84.0955

■ 0.0000, 0.0493,
1.2878

■ 69.0945, 77.2697,
110.0971

■ 0.0000, 0.0000,
0.0518

■ 90.9341, 101.1569,
140.9717

■ 0.0000, 0.0000,
0.0000

■ 116.9498,

129.5201, 177.1379

147.5070,
162.7439, 219.0142

■ 9.7502, 11.5217,
20.4489

■ 9.7502, 11.5217,
20.4489

■ 8.8001, 10.4802,
20.2982

■ 10.8863, 12.6865,
20.6141

■ 8.0216, 9.5537,
20.1604

■ 12.2190, 13.9797,
20.7934

■ 7.4003, 8.7343,
20.0350

■ 13.7593, 15.4077,
20.9879

■ 6.9086, 8.0077,
19.9206

■ 15.5173, 16.9759,
21.1979

■ 6.7287, 7.7370,
19.8778

■ 17.5021, 18.6895,
21.4241

■ 19.7225, 20.5533,
21.6668

■ 22.1866, 22.5717,
21.9265

■ 24.9024, 24.7493,
22.2037

■ 27.8771, 27.0901,
22.4987

Harmonies

Analogous

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



8.8580, 11.5217, 16.9590



9.7502, 11.5217, 20.4489



11.0330, 11.5217, 21.7133

Triad

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



9.7502, 11.5217, 20.4489



13.8051, 11.5217, 12.3126



9.6198, 11.5217, 7.1561

Complementary

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



9.7502, 11.5217, 20.4489



11.4191, 9.6467, 4.7507

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.



10.8695, 11.5217, 6.4075



9.7502, 11.5217, 20.4489



13.3503, 11.5217, 8.9724

Square

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



9.7502, 11.5217, 20.4489



13.4437, 11.5217, 16.4682



12.2466, 11.5217, 6.9963



8.7872, 11.5217, 9.3006

Rectangle

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



9.7502, 11.5217, 20.4489



11.9591, 11.5217, 20.9505



12.2466, 11.5217, 6.9963



10.0013, 11.5217, 6.7558

Sweetspot

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



9.7506, 11.5221, 20.4492



27.3476, 30.0128, 37.9083



9.9040, 15.4702, 9.2748



6.3182, 6.9602, 8.9135



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



9.7506, 11.5221, 20.4492



15.3744, 18.3247, 36.2833



7.0834, 6.1877, 19.5601



4.0044, 4.3071, 5.0635



6.9557, 7.9938, 20.5616



32.3866, 36.5458, 97.8169

Inverse Universe

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



11.8369, 7.7894, 13.1919



19.6886, 11.6032, 21.0528



14.4483, 15.7052, 5.7605



4.1027, 4.0568, 4.7384



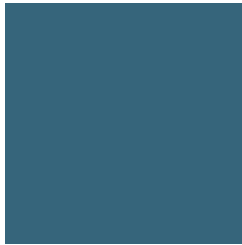
10.0942, 5.0138, 9.0531



47.7504, 23.7565, 41.0771

Previews

White Background



This preview shows how the XYZ color 9.7502, 11.5217, 20.4489 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 9.7502, 11.5217, 20.4489 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

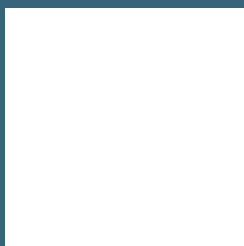
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.7502, 11.5217, 20.4489

Background



This preview shows how black text looks on a background with the XYZ color 9.7502, 11.5217, 20.4489.

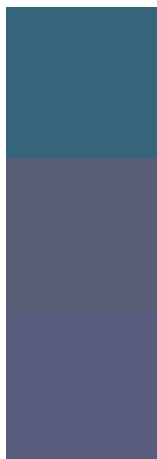


This preview shows how white text looks on a background with the XYZ color 9.7502, 11.5217,

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

9.7502, 11.5217, 20.4489

Protanopia

11.3925, 11.4373, 18.7467

Deuteranopia

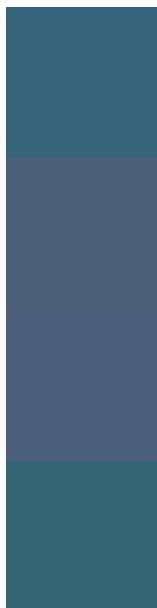
11.6405, 11.3841, 20.9859



Tritanopia

8.9861, 11.5012, 16.7853

Trichromacy



Original Color

9.7502, 11.5217, 20.4489

Protanomaly

10.6454, 11.4420, 19.4167

Deuteranomaly

10.8015, 11.3575, 20.6917

Tritanomaly

9.2111, 11.4444, 17.9432

Monochromacy



Original Color

9.7502, 11.5217, 20.4489

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.2438, 10.3048, 13.8137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.7502, 11.5217, 20.4489 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, 101, 123) looks like.

```
.text, #text, p{  
    color:rgb(54, 101, 123)  
}
```

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, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 101, 123) }
```

Border

The CSS property to change the border of an element to XYZ 9.7502, 11.5217, 20.4489 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, 101, 123) }
```


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

```
.border{ border-color:rgb(54, 101, 123) }
```

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

Here you see how a box with a 4 pixel rgb(54, 101, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 101, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 101, 123);  
box-shadow:4px 4px 4px 4px rgb(54, 101,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 9.7502, 11.5217, 20.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 101, 123) }
```

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

```
.background{ background-color: rgb(54, 101,  
123) }
```

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