

Converting Colors

XYZ(12.5774, 15.9291, 25.4449)

Have a look what the booklet for
XYZ(12.5774, 15.9291, 25.4449)
contains.

XYZ(12.5578, 15.9391, 25.3364)	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(12.5578, 15.9391,
25.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	357887
RGB	53, 120, 135
RGB Percent	21%, 47%, 53%
CMY	0.7921, 0.5294, 0.4706
CMYK	0.61, 0.11, 0.00, 0.47
HSL	191°, 44%, 37%
HSV	191°, 61%, 53%
XYZ	12.5578, 15.9391, 25.3364
YIQ	101.6770, -44.7470, -9.5390

Conversions

Conversions Part 2

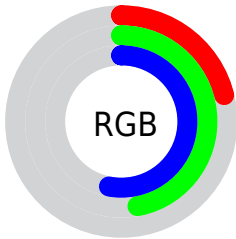
Format	Color
RYB	53, 90, 135
Decimal	3504263
CIELab	46.89, -16.44, -14.58
CIElCh	47, 21.969, 221.568
Yxy	15.9391, 0.2333, 0.2961
Android (android.graphics.Color)	4281694343 (0xFF357887)
YUV	101.6770, 16.4282, -42.6897
Hunter-Lab	39.9238, -13.7205, -9.6799

Details

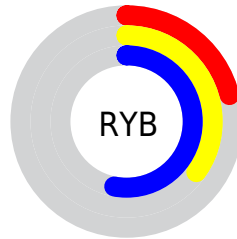
The XYZ color **12.5578, 15.9391, 25.3364** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7017, 9.5425, 4.5409**, and the grayscale version is **12.5125, 13.1641, 14.3357**.

A 20% lighter version of the original color is **30.0140, 36.3240, 53.0063**, and **3.8929, 5.1624, 9.3856** is the 20% darker color. If you saturate the color by 10%, you get **11.6526, 15.0376, 25.2104**, and if you desaturate by 10%, it is **13.6716, 16.9602, 25.4751**.

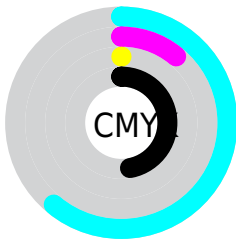
Distribution



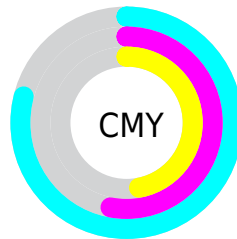
- Red (21%)
- Green (47%)
- Blue (53%)



- Red (21%)
- Yellow (35%)
- Blue (53%)



- Cyan (61%)
- Magenta (11%)
- Yellow (0%)
- Black (47%)



- Cyan (79%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5578, 15.9391, 25.3364 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 12.5578, 15.9391, 25.3364 by changing the saturation by 10% instead.

■ 12.5578, 15.9391,
25.3364

■ 12.5578, 15.9391,
25.3364

■ 201.7593,
228.9821, 293.0102

■ 7.1997, 9.4811,
16.1066

■ 30.1152, 36.4924,
53.1733

■ 3.6347, 5.0563,
9.4444

■ 43.0451, 51.3566,
72.6175

■ 1.4976, 2.2803,
4.9314

■ 59.2296, 69.7915,
96.3035

■ 0.3242, 0.7633,
2.1490

■ 79.0342, 92.1816,
124.6499

■ 0.0000, 0.0000,
0.6447

■ 102.8240,
118.9113, 158.0752

■ 0.0000, 0.0000,
0.0000

■ 130.9646,

150.3651, 196.9980

163.8213,
186.9272, 241.8369

■ 12.5578, 15.9391,
25.3364

■ 12.5578, 15.9391,
25.3364

■ 11.6526, 15.0376,
25.2104

■ 13.6716, 16.9602,
25.4751

■ 10.9373, 14.2448,
25.0951

■ 15.0079, 18.1072,
25.6260

■ 10.3919, 13.5510,
24.9899

■ 16.5810, 19.3877,
25.7903

■ 9.9823, 12.9675,
24.8989

■ 18.4037, 20.8086,
25.9685

■ 20.4876, 22.3758,
26.1612

■ 22.8440, 24.0952,
26.3688

■ 25.4830, 25.9723,
26.5921

■ 28.4145, 28.0120,
26.8313

■ 31.6480, 30.2194,
27.0869

Harmonies

Analogous

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



11.8203, 15.9391, 19.5572



12.5578, 15.9391, 25.3364



14.0147, 15.9391, 29.4082

Triad

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



12.5578, 15.9391, 25.3364



18.9192, 15.9391, 20.9082



14.4230, 15.9391, 8.9366

Complementary

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



12.5578, 15.9391, 25.3364



12.7017, 9.5425, 4.5409

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.



16.3442, 15.9391, 9.1483



12.5578, 15.9391, 25.3364



19.0519, 15.9391, 15.3246

Square

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



12.5578, 15.9391, 25.3364



17.7271, 15.9391, 26.5032



18.0756, 15.9391, 11.2550



12.8350, 15.9391, 10.5991

Rectangle

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



12.5578, 15.9391, 25.3364



15.2506, 15.9391, 30.1783



18.0756, 15.9391, 11.2550



15.0491, 15.9391, 8.8022

Sweetspot

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



12.5583, 15.9397, 25.3368



33.7861, 37.8953, 46.5822



11.1357, 18.4864, 8.2396



7.6124, 8.6145, 10.7679



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.5583, 15.9397, 25.3368



20.3296, 26.3537, 45.0636



8.7349, 8.2928, 24.0623



4.7312, 5.1379, 5.9431



9.2137, 11.9751, 22.9625



0.0366, 0.0508, 0.0811

Inverse Universe

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



14.6553, 9.0536, 18.7450



24.6350, 13.5800, 31.2245



15.9621, 16.0633, 5.6277



4.8223, 4.7486, 5.6767



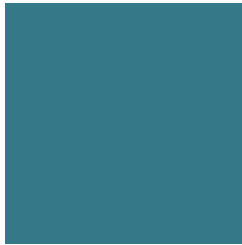
11.8287, 5.7958, 14.2024



0.0433, 0.0210, 0.0616

Previews

White Background



This preview shows how the XYZ color 12.5578, 15.9391, 25.3364 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 12.5578, 15.9391, 25.3364 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 12.5578, 15.9391, 25.3364

Background



This preview shows how black text looks on a background with the XYZ color 12.5578, 15.9391, 25.3364.

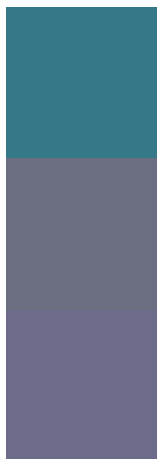


This preview shows how white text looks on a background with the XYZ color 12.5578, 15.9391,

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

12.5578, 15.9391, 25.3364

Protanopia

15.5356, 15.8362, 22.6599

Deuteranopia

16.1343, 15.7482, 26.2341



Tritanopia

12.2993, 16.0172, 23.9161

Trichromacy



Original Color

12.5578, 15.9391, 25.3364

Protanomaly

14.0445, 15.6996, 23.7628

Deuteranomaly

14.3340, 15.4692, 25.8973

Tritanomaly

12.4184, 16.0708, 24.2772

Monochromacy



Original Color

12.5578, 15.9391, 25.3364

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1621, 14.0370, 17.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5578, 15.9391, 25.3364 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(53, 120, 135)` looks like.

```
.text, #text, p{  
    color:rgb(53, 120, 135)  
}
```

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(53, 120, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 120, 135) }
```

Border

The CSS property to change the border of an element to XYZ 12.5578, 15.9391, 25.3364 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(53, 120, 135) }
```


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

```
.border{ border-color:rgb(53, 120, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 120, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 120, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 120, 135);  
box-shadow:4px 4px 4px 4px rgb(53, 120,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5578, 15.9391, 25.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 120, 135) }
```

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

```
.background{ background-color: rgb(53, 120,  
135) }
```

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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